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Zenit
The highlight of modular ranges

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ABB-free@home®

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Zenit
The highlight of modular series

Zenit is the most comprehensive modular range for all kind of homes and commercial facilities. A number of appreciated designs and beautiful finishes that add value to the facility, with advanced features that provide greater comfort and performance level. With Zenit you can make any type of installation enjoy technical advances that make it easier and faster. This range has the guarantee of a brand renowned for its quality such as ABB.
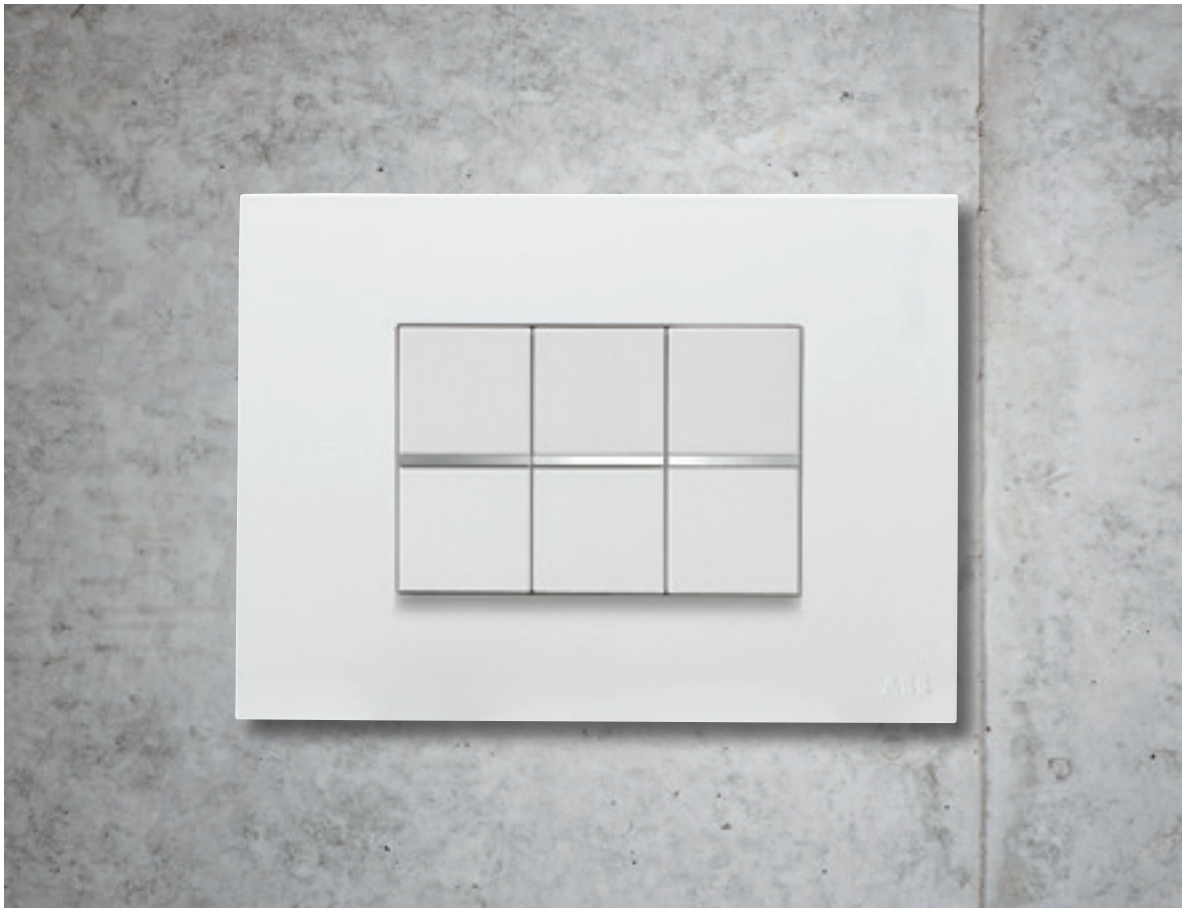
The top in design and performance
For its aesthetics and details

Simple, elegant, the top in design.

Zenit is born with a high-rise design. With rectilinear lines, very trendy finishes and full of details that enhance its aesthetics. It reaches the highest levels in quality and infinite values.

AENOR

Ecodiseño

ED-0008/2007

Eco-design
The Zenit switch range has been designed following the Product Design and Development Environmental Management regulations: Eco-design.

Wide range

Display and styling trim
Lighting in green styling trim in Chrome, Anthracite, White and Champagne

Multi-standard
Fitting in European, American and Italian boxes

High-quality and durable finishes.
Noble materials in frames
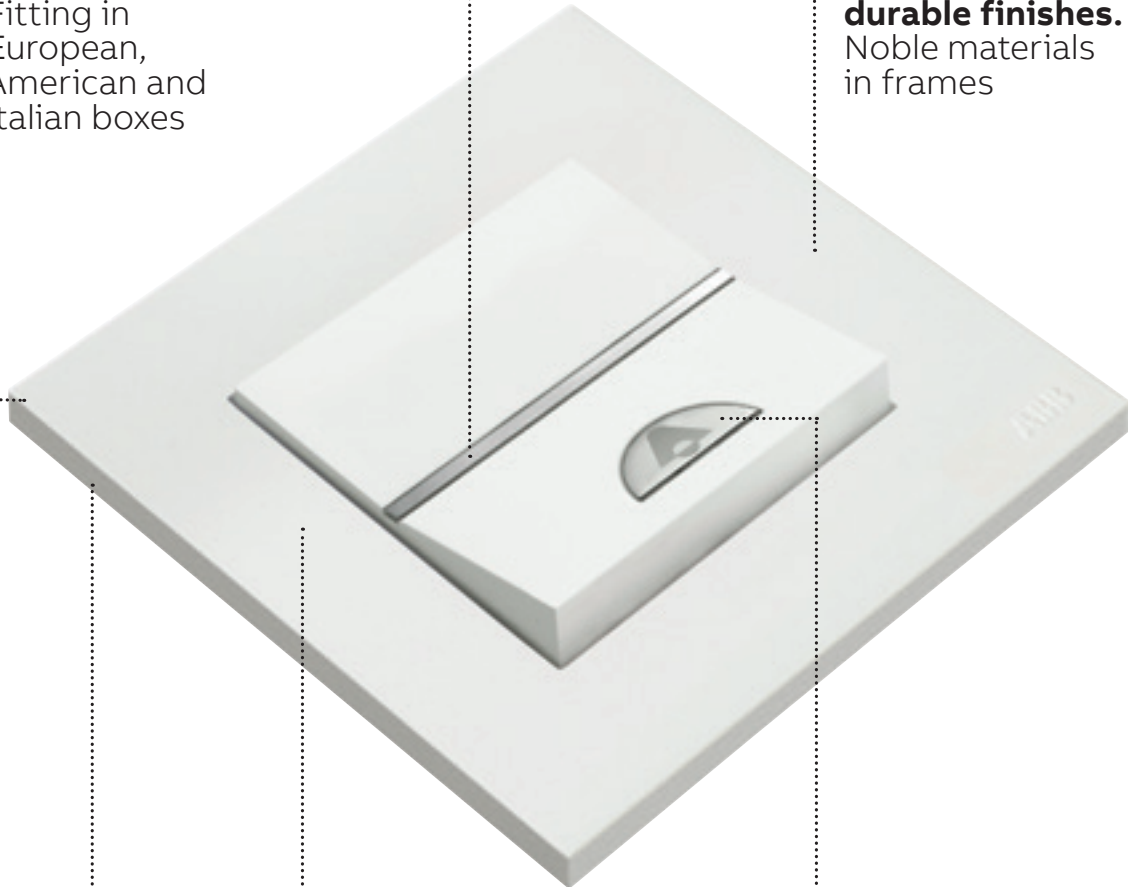
Frames with two shapes
Floating effect frame. Solid effect frame.

More than 100 functions in four finishes

Symbols with backlight

Room service   Fan   Key

Nurse   WC   Light point

The top in residential
To bring the comfort to all the family

Never before has your home been so comfortable, safe, efficient and beautiful.
Today's modern living spaces demand comfort in every room, whether it's the bathroom
transforming into a wellness spa or kitchens becoming communication islands.
Zenit offers solutions for future-oriented lifestyle in residential living environments.

Zenit & ABB-free@home®

Making home automation easier than ever.
Simply smart. Zenit and ABB-free@home® transform the house or the apartment into an intelligent home. Whether it's blinds, lights, heating, air conditioning, door communication or scenes. Easy to remote control via a switch on the wall, with the laptop or with the smartphone. Very convenient. Extremely comfortable. Very energy efficient. Especially attractive: Only minimal costs are involved when compared with conventional electrical installations.

Sound system
Music stirs the emotions. At any location. A flexible and convenient audio system for entertainment and communication. Its high-quality components impress with the utmost in functionality, intuitive operation and innovative design. In combination with the practical accessories it is a unique range of high-performance products that offers individual solutions for every application.

Management of blinds
The blind management range opens new dimensions for the private housing construction sector. You can now enjoy greater living comfort, safety and economic efficiency in your house. The blind management system is suitable for controlling all motor-driven blinds, roller blinds and awnings. Its many options for application, connection and setting make it the ideal solution for every housing situation.

LED dimmers
Always the perfect light. Beautiful music, a glass of wine, a soft sofa. What makes this even more perfect now is pleasantly subdued and colourful illumination. The innovative and elegant dimmer units with their soft reduction of the volume of light create an intimate, cosy atmosphere. They offer the possibility of creating the kind of illumination that suits the mood and the occasion. And they add a special kind of magic to those intimate moments.

Multimedia connectivity
Communication is the gateway to the world. Enjoyable entertainment! The new VDI connectors are suitable for multimedia devices in your home. All conventional connectors are supported: double and triple RCA, Mini-Jack, VGA, HDMI and USB.

All weather IP55
Do not worry about the weather. IP55 boxes and frames for flush and surface mounting that allows installing any device in outdoor environments.

USB charging devices
The end of overfilled multiple socket outlets has arrived. The USB charging devices are the ideal location for charging mobile telephones, tablets or smart watches.

The top in hospitality
To make guests feel at home

All factors are working together for design and comfort. Take comfort to new heights. Hotel guests are demanding. The design is just one aspect. What's particularly important is the light, blinds, air conditioning and heating work together to create an atmosphere where your guests enjoy every second of their stay and look forward to returning.

Zenit & ABB i-bus® KNX

Perfect climate
A perfect hotel room is never too warm, never too cool and always filled with fresh air – it stimulates all of your senses. The invisible technology, ABB i-bus® KNX, makes this possible. Everyone can get to grips with it straight away thanks to the room temperature controller with its clear design. As a result, you can control the heating, ventilation and air conditioning with the touch of a finger and a glance at the display – it's as simple and clear as that.

Measurable efficiency, all costs under control
Comfortable cost reductions. You don't always have the same number of people staying in a hotel room. This is why it is important to adjust the resources to the use in order to increase efficiency. Intelligent presence detectors with a direct KNX connection adjust the indoor climate and light sensitively. With their extensive coverage and discreet design, they blend seamlessly into the architecture – almost invisible but highly effective.

Maximum safety for guests and investments
More than a feeling. Intelligent technology is behind all that is safe. Only a fully networked building creates an environment which protects the people and values. The ABB i-bus® KNX brings everything together. By integrating all applications, the result is stability for everyone.

Multimedia center
Hotel guests can enjoy their own taste in music. The sound comes directly from the wall, without a tangle of cables. It is possible to connect a smartphone via both Bluetooth and at the same time charge it or connect the laptop to the TV via the HDMI connector. Therefore all the technology can fit in a saving space module housing in line with the interior design – ideal for the space next to the bed or in the desk. Sound contributes to comfort.

Card switch
A friendly welcome. Perfection begins at the room door with the card switch. If you insert the card here, a light scene switches on automatically. The temperature is regulated immediately. The room itself says "welcome"!

Do not disturb / Make-up room
Always tidied up, rest without interruption. The integrated DND/MUR switch and LED signaling light indicates to the service personnel whether the guest wishes to not be disturbed or for their room to be made up.

Signaling and beacon lights
Clear orientation. Guests appreciate the superior welcome they experience through clear signals. The signaling labels help them to get their bearings. These pictograms provide information during the day and night, and which show the way. With LED technology and high-quality diffuser really emphasize the contemporary features.

Movement detector
Constant vigilance. Safety begins with visibility. The movement detectors react sensitively and immediately. They ensure that no one has to stumble around in the dark. With a detection range of up to 110°, we have a suitable movement detector integrated with the interior design for corridors, rooms or common areas.

The top in the office
To make the working time easier

The perfect working environment helps a business grow and develop. Zenit can provide the best in office space planning, from light and temperature control, workstations, ABB i-bus® KNX and free@home automation to everything in between. From medium sized businesses to large corporations, we can provide can provide designs in any modern finish or material to suit the needs of any interior decoration.

Workstations

Power, voice, image and data in one connection point
In an office the number of workplaces that require being connected to computers and multimedia equipment is increasing. This system makes it possible to group all together the needs of a working place (electrical outlets, telephone, data, protection and multimedia) in a single box.
The Zenit workstations have been meticulously designed with innovative breakthroughs, devised to solve any installation in the most comfortable, quick and easy way.

Multimedia and data connectivity
Voice, data and image are part of the nowadays working environments. Zenit offers a wide number of devices that can solve any need in terms of connectivity: 2x RCA, 3x RCA, Mini-Jack, VGA, HDMI, USB, RJ-11, RJ-12, RJ-45 Cat.5E, 6, 6A, UTP, FTP, STP and SC/APT fiber optic adapters.

ABB i-bus® KNX
Rooms with intelligence. Modern building automation has become more efficient than ever in order to meet the many demands of people working in the building. Adaptable systems turn the modern functional building into a smart building. They create an environment in which communication and creativity can freely express themselves. Ideal for efficiency, perfect for the future.

Double pole switch
Offices are spaces with full activity during the whole day. This frenetic activity requires the intensive use of electrical devices. The double pole switches are specially designed to control the biggest loads of the electrical installation, such as the lighting of common areas, signaling panels, cooling and heating devices, etc.

Dimmers for drivers
Always the perfect light in the meeting room. Full luminosity during the meeting, low light during a presentation. Dimmers for drivers are able to manage any lamp with a 1-10 Vdc input.

Sound system
Webinars, video conference, on-line presentations… Many times a group of people is sharing a screen to participate in this type of meetings. These meeting rooms used to have a video system that can be shared, but what about the audio? Zenit's Sound System offers a perfect solution to share the audio of the laptop, tablet or mobile phone to all the audience in the room. Without cables, without auxiliary devices. Just connecting the laptop to the sound system via Bluetooth.

The top in commercial spaces
To maximize customer experience

From a coffee shop to a modern mall. From the terrace to fitting room. From simple command centralizations to the most innovative ABB i-bus® KNX automation systems. Zenit and ABB solutions can transform the customer experience in any commercial environment. Design and functionality are key to creating a pleasant atmosphere, managing in the right way lighting and temperature, while keeping the wiring devices integrated in the overall decoration of the space.

Centralizations

Centralized control system
The systems for centralized control of Zenit are oriented to respond to the needs generated in facilities of the tertiary sector. In most of the tertiary installations, a place to centralize the control of the various lights, shutters, boilers, etc. is always required. The systems for centralized control of Zenit allows to group all these functions in a single box using the covers and inserts of most complete modular range of the market: Zenit.

ABB i-bus® KNX. The perfect ally for big commercial areas.
Lighting and climate control are key to operating and maintaining commercial buildings such as big shopping malls. Balancing energy consumption and efficiency is the basis of a perfect customer experience and is important to stay profitable. ABB i-bus KNX is the intelligent installation system that meets the highest requirements for applications in modern building control and is based on the simple and proven KNX technology, which is accepted as the world's first open standard for the control of all types of intelligent buildings - industrial, commercial or residential.

ABB-free@home® - The perfect partner for small shops, clinics, agencies or any small tertiary.
Free@home offers an endless number of possibilities for creative design. This allows the small commercial to be equipped in line with endless personal concepts and preferences. Both today and in the future. Easy to use and maintain, Free@home can be easily managed by the owner without requiring special trainings. Maximum comfort and energy saving. Automation is the gateway to improve the customer experience by doing the right control of lighting and temperature and this is now also possible in small size commercial businesses thanks to ABB-free@home®.

Sound system
Hair salon, coffee shop, clothing store or dental clinic. All of them have in common the music. The music helps the customer to feel comfortable in the store while they are cutting the hair, taking a cup of tea, buying a shirt or waiting his turn in the waiting room. Zenit's Sound system is specially designed to meet any of the needs in these spaces, being easy to use and requiring simple installation.

Key switch
Protection against unauthorized access. The blind key switch/push-button prevents unauthorized operation of the electric drives. At home, it is suited as a "parental lock" and, at work, it prevents unauthorised persons from gaining access. Three different functions are available: key switch 1-way with 2 positions, key switch 2-way with 3 positions and a key push-button 1-way with 2 positions and automatic return to position 1.

All weather and surface solutions
Four options that cover any need in flush, surface and/or all weather installations. Zenit IP20 surface mounting boxes are the solution for a surface indoor installation keeping the aesthetic appearance in the store. Zenit IP40 boxes to give an industrial looking decoration inside the shop or if a surface solution in an indoor parking is needed. Zenit IP55 frames for flush mounting is the perfect ally to install a switch in the terrace of a bar, but mimicked with the furniture. Zenit IP55 surface mounting boxes will help in the installation of any device if the outdoor electrical installation is surface mounted.

Signaling and beacon lights
Zenit's signiling lights informs and discreetly provides clear orientation. A special field with a backlit pictogram marks the toilet, indicates smoke-free zones or provides information about special treatment rooms. Zenit's signaling lights are helpful everywhere. With a sufficient brightness (of two lux), Zenit's beacon light is ideal for lighting special danger points in dark areas. Particularly comforting: in case of a power failure, it is switched over to battery operation for up to three hours. The LEDs then maintain the lighting. For example, in stairwells or in cellars.

Functions for all spaces

Zenit can be installed everywhere, in spaces that require new solutions, with new applications and all installation facilities.


Up to 40% savings

- Contacts with an automatic connection terminal providing ease and up to 40% savings in installation time.
- The Zenit rocker mechanisms are 16 A and they offer top quality with a reduced number of reference to stock.
- More robust and compact mechanisms to be inserted from the front.
- Designed to hold the switches firmly avoiding balancing problems.
- They have reduced depth, only 21 mm, which allows more connection space for wires.
- With larger press clamps and smoother to make the automatic connection more comfortable and safer.
- They have been manufactured with high quality and recyclable material.

More protection

- Children are really curious and get excited with any dangerous device available at home, especially those that are at the height of socket outlets.
- All Zenit socket outlets are equipped with shutters for child protection, protecting the live parts from electric shock.
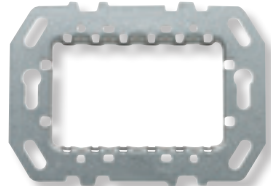

More benefits

- Galvanized steel mounting plates with unique anti-corrosion treatment with top and bottom nerves for a rigid positioning of the mechanism.
- The mounting plate is supplied separately from the frame in order to create the atmosphere you want.
- Zenit mechanisms are designed so they can be removed from the front.
- Galvanized steel metal mounting plate to ensure the durability of the installation.

Less consumption

- The covers are easily removed to change the lighting pilot facilitating the installation from the front.
- In Zenit we have replaced our traditional neon pilot for a LED located in the horizontal display that emits a diffused light; it looks more attractive; it consumes less energy and lasts 10 years.

Automatic connection
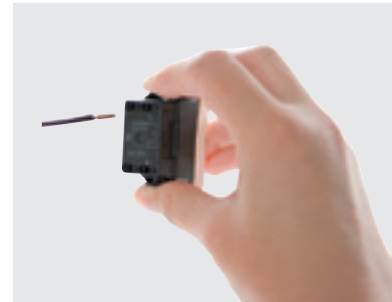
**1.** Strip the cable about 14 mm. and introduce it into the terminal.

2. Press the push button and insert the cable.

CLICK!

3. Release the push button and check fixation. To disconnect the cord, press again the push button on top and bottom.

Easy and intuitive installation system,

providing maximum values in performance, comfort and functionality
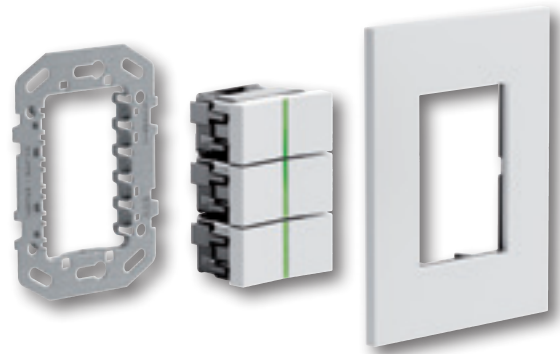
Switch composition in square box
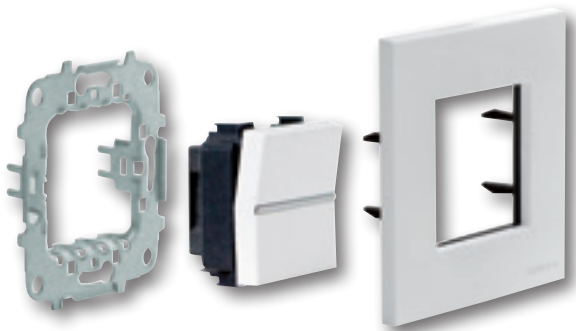
Mounting plate   Insert / Cover plate   Frame
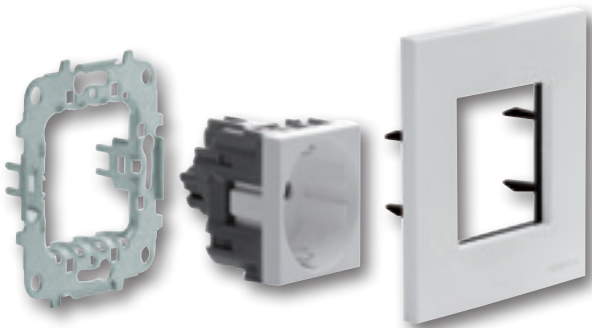
Switch composition in rectangular box

Mounting plate   Insert / Cover plate   Frame
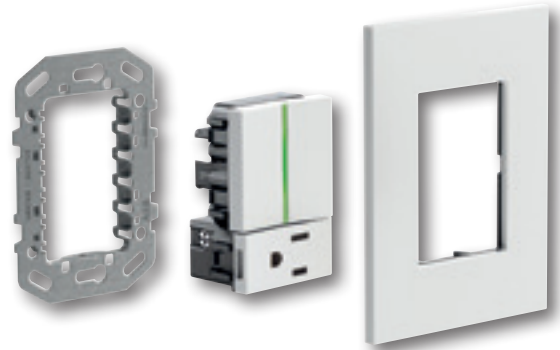
Schuko socket outlet composition in square box

Mounting plate   Insert / Cover plate   Frame

NEMA socket outlet composition in rectangular box
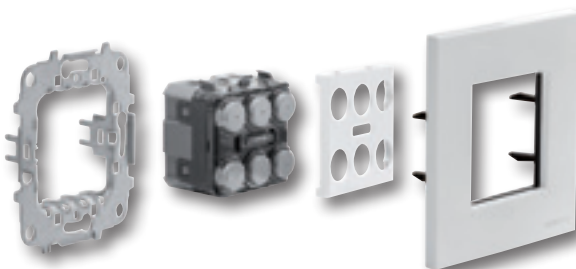
Mounting plate   Insert / Cover plate   Frame

KNX and free@home sensor composition in square box
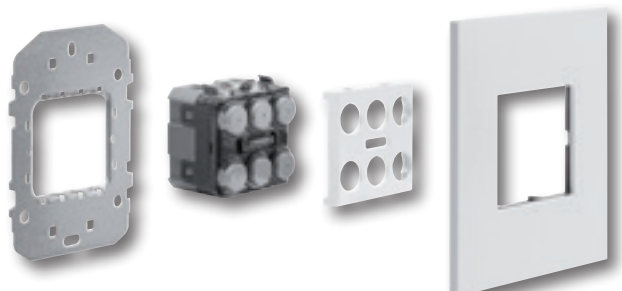
Mounting plate   Insert   Cover plate   Frame

KNX and free@home sensor composition in rectangular box

Mounting plate for vertical installation   Insert   Cover plate   Frame
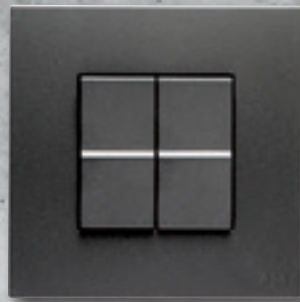
BL

CB

CP

PL

CN

CC

AN

CF

OX

CV

CH

WG

PZ

Zenit	**Zenit Noble**	
BL White	**CB** White Glass	**CC** Coffee Glass
PL Silver	**CN** Black Glass	**OX** Stainless Steel
AN Anthracite	**CF** Graphite Glass	**WG** Wenge
CV Champagne	**CH** Champagne Glass	**PZ** Slate
	CP Pearl Glass	

BL

CB

SI

PL

CN

ON

AN

OX

MG

CV

BN

BR

WG

NT

PZ

AL

Zenit

BL White

PL Silver

AN Anthracite

CV Champagne

Zenit Noble

WG Wenge

PZ Slate

CB White Glass

CN Black Glass

OX Stainless Steel

Zenit Metallic

BN Snow White

NT Touch Black

AL Polished Steel

SI Silicium

ON Onyx

MG Magnesium

BR Bronze

Zenit

1-way switches

Color	Article-No.	Order-No.	Pack/Qty
	Switch 1-gang, 1-way, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2191 BL (127 Vac) or N2191 VD (230 Vac).		
White	**N2101 BL**	2CLA210100N1102	20
Silver	**N2101 PL**	2CLA210100N1302	20
Anthracite	**N2101 AN**	2CLA210100N1802	20
Champagne	**N2101 CV**	2CLA210100N1902	20
	Switch 1-gang, 1-way, SP - 1,5 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2191.1 BL (127 Vac).		
White	**N2801 BL**	2CLA280100N1102	10
Silver	**N2801 PL**	2CLA280100N1302	10
Anthracite	**N2801 AN**	2CLA280100N1802	10
Champagne	**N2801 CV**	2CLA280100N1902	10
	Switch 1-gang, 1-way, SP - 2 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2191.1 BL (127 Vac) or N2191 VD (230 Vac).		
White	**N2201 BL**	2CLA220100N1102	10
Silver	**N2201 PL**	2CLA220100N1302	10
Anthracite	**N2201 AN**	2CLA220100N1802	10
Champagne	**N2201 CV**	2CLA220100N1902	10
	Switch 1-gang, 1-way, SP - 3 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2191.1 BL (127 Vac).		
White	**N2301 BL**	2CLA230100N1102	10
Silver	**N2301 PL**	2CLA230100N1302	10
Anthracite	**N2301 AN**	2CLA230100N1802	10
Champagne	**N2301 CV**	2CLA230100N1902	10

2-way switches

Color	Article-No.	Order-No.	Pack/Qty
	Switch 1-gang, 2-way, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192 NG (127 Vac) or N2192 RJ (230 Vac).		
White	N2102 BL	2CLA210200N1102	20
Silver	N2102 PL	2CLA210200N1302	20
Anthracite	N2102 AN	2CLA210200N1802	20
Champagne	N2102 CV	2CLA210200N1902	20
	Switch 1-gang, 2-way, SP - 1,5 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192.1 NG (127 Vac).		
White	N2802 BL	2CLA280200N1102	10
Silver	N2802 PL	2CLA280200N1302	10
Anthracite	N2802 AN	2CLA280200N1802	10
Champagne	N2802 CV	2CLA280200N1902	10
	Switch 1-gang, 2-way, SP - 2 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192.1 NG (127 Vac) or N2192 RJ (230 Vac).		
White	N2202 BL	2CLA220200N1102	10
Silver	N2202 PL	2CLA220200N1302	10
Anthracite	N2202 AN	2CLA220200N1802	10
Champagne	N2202 CV	2CLA220200N1902	10
	Switch 1-gang, 2-way, SP - 3 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192.1 NG (127 Vac).		
White	N2302 BL	2CLA230200N1102	10
Silver	N2302 PL	2CLA230200N1302	10
Anthracite	N2302 AN	2CLA230200N1802	10
Champagne	N2302 CV	2CLA230200N1902	10

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Zenit

Intermediate switches

Color	Article-No.	Order-No.	Pack/Qty
Switch 1-gang, intermediate, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192 NG (127 Vac) or N2192 RJ (230 Vac).			
White	N2110 BL	2CLA211000N1102	20
Silver	N2110 PL	2CLA211000N1302	20
Anthracite	N2110 AN	2CLA211000N1802	20
Champagne	N2110 CV	2CLA211000N1902	20
Switch 1-gang, intermediate, SP - 1,5 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192.1 NG (127 Vac).			
White	N2810 BL	2CLA281000N1102	10
Silver	N2810 PL	2CLA281000N1302	10
Anthracite	N2810 AN	2CLA281000N1802	10
Champagne	N2810 CV	2CLA281000N1902	10
Switch 1-gang, intermediate, SP - 2 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192.1 NG (127 Vac) or N2192 RJ (230 Vac).			
White	N2210 BL	2CLA221000N1102	10
Silver	N2210 PL	2CLA221000N1302	10
Anthracite	N2210 AN	2CLA221000N1802	10
Champagne	N2210 CV	2CLA221000N1902	10
Switch 1-gang, intermediate, SP - 3 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192.1 NG (127 Vac).			
White	N2310 BL	2CLA231000N1102	10
Silver	N2310 PL	2CLA231000N1302	10
Anthracite	N2310 AN	2CLA231000N1802	10
Champagne	N2310 CV	2CLA231000N1902	10

Double pole switches

Color	Article-No.	Order-No.	Pack/Qty
Switch 1-gang, 1-way, DP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192 NG (127 Vac) or N2192 RJ (230 Vac).			
White	N2101.2 BL	2CLA210120N1102	20
Silver	N2101.2 PL	2CLA210120N1302	20
Anthracite	N2101.2 AN	2CLA210120N1802	20
Champagne	N2101.2 CV	2CLA210120N1902	20
Switch 1-gang, 1-way, DP - 2 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192.1 BL (127 Vac) or N2192 RJ (230 Vac).			
White	N2201.2 BL	2CLA220120N1102	10
Silver	N2201.2 PL	2CLA220120N1302	10
Anthracite	N2201.2 AN	2CLA220120N1802	10
Champagne	N2201.2 CV	2CLA220120N1902	10
Switch 1-gang, 1-way, DP, 32AX - 2 M Rated voltage: 110 - 250 Vac. Rated current: 32AX. Screwless terminals. Optional: locator LED lamp N2192.1 BL (127 Vac) or N2192 RJ (230 Vac).			
White	N2201.8 BL	2CLA220180N1102	5
Silver	N2201.8 PL	2CLA220180N1302	5
Anthracite	N2201.8 AN	2CLA220180N1802	5
Champagne	N2201.8 CV	2CLA220180N1902	5
Switch 1-gang, 2-way, DP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. Optional: locator LED lamp N2192 NG (127 Vac) or N2192 RJ (230 Vac).			
White	N2102.2 BL	2CLA210220N1102	5
Silver	N2102.2 PL	2CLA210220N1302	5
Anthracite	N2102.2 AN	2CLA210220N1802	5
Champagne	N2102.2 CV	2CLA210220N1902	5

Zenit
Switches with indicator light

Color	Article-No.	Order-No.	Pack/Qty
	Switch 1-gang, 1-way, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 3 wires (Neutral conductor required). Included: indicator LED lamp N2192 RJ (230 Vac).		
White	**N2101.5 BL**	2CLA210150N1102	5
Silver	**N2101.5 PL**	2CLA210150N1302	5
Anthracite	**N2101.5 AN**	2CLA210150N1802	5
Champagne	**N2101.5 CV**	2CLA210150N1902	5

Color	Article-No.	Order-No.	Pack/Qty
	Push-button, SP without symbol - 1M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 3 wires (Neutral conductor required). Included: indicator LED lamp N2192 RJ (230 Vac).		
White	**N2104.5 BL**	2CLA210450N1102	5
Silver	**N2104.5 PL**	2CLA210450N1302	5
Anthracite	**N2104.5 AN**	2CLA210450N1802	5
Champagne	**N2104.5 CV**	2CLA210450N1902	5

	Switch 1-gang, 1-way, SP - 2 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 3 wires (Neutral conductor required). Included: indicator LED lamp N2192 RJ (230 Vac).		
White	**N2201.5 BL**	2CLA220150N1102	5
Silver	**N2201.5 PL**	2CLA220150N1302	5
Anthracite	**N2201.5 AN**	2CLA220150N1802	5
Champagne	**N2201.5 CV**	2CLA220150N1902	5

	Push-button, SP without symbol - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 3 wires (Neutral conductor required). Included: indicator LED lamp N2192 RJ (230 Vac).		
White	**N2204.5 BL**	2CLA220450N1102	5
Silver	**N2204.5 PL**	2CLA220450N1302	5
Anthracite	**N2204.5 AN**	2CLA220450N1802	5
Champagne	**N2204.5 CV**	2CLA220450N1902	5

	Switch 1-gang, 2-way, SP - 1 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 4 wires (Neutral conductor required). Included: indicator LED lamp N2191 VD (230 Vac).		
White	**N2102.5 BL**	2CLA210250N1102	5
Silver	**N2102.5 PL**	2CLA210250N1302	5
Anthracite	**N2102.5 AN**	2CLA210250N1802	5
Champagne	**N2102.5 CV**	2CLA210250N1902	5

	Switch 1-gang, 2-way, SP - 2 M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 4 wires (Neutral conductor required). Included: indicator LED lamp N2191 VD (230 Vac).		
White	**N2202.5 BL**	2CLA220250N1102	5
Silver	**N2202.5 PL**	2CLA220250N1302	5
Anthracite	**N2202.5 AN**	2CLA220250N1802	5
Champagne	**N2202.5 CV**	2CLA220250N1902	5

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Zenit
Push buttons

Color	Article-No.	Order-No.	Pack/Qty
	Push-button, SP with bell symbol - 1M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Opened (NO) contact. Optional: locator LED lamp N2191 BL (127 Vac) or N2191 VD (230 Vac). N2191 VD (230 Vac).		
White	**N2104 BL**	2CLA210400N1102	20
Silver	**N2104 PL**	2CLA210400N1302	20
Anthracite	**N2104 AN**	2CLA210400N1802	20
Champagne	**N2104 CV**	2CLA210400N1902	20

Color	Article-No.	Order-No.	Pack/Qty
	Push-button, SP with light symbol - 1M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Opened (NO) contact. Optional: locator LED lamp N2191 BL (127 Vac) or N2191 VD (230 Vac).		
White	**N2104.2 BL**	2CLA210420N1102	20
Silver	**N2104.2 PL**	2CLA210420N1302	20
Anthracite	**N2104.2 AN**	2CLA210420N1802	20
Champagne	**N2104.2 CV**	2CLA210420N1902	20

	Push-button, SP with bell symbol - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Opened (NO) contact. Optional: locator LED lamp N2191.1 BL (127 Vac) or N2191 VD (230 Vac).		
White	**N2204 BL**	2CLA220400N1102	10
Silver	**N2204 PL**	2CLA220400N1302	10
Anthracite	**N2204 AN**	2CLA220400N1802	10
Champagne	**N2204 CV**	2CLA220400N1902	10

	Push-button, SP with light symbol - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Opened (NO) contact. Optional: locator LED lamp N2191.1 BL (127 Vac) or N2191 VD (230 Vac).		
White	**N2204.2 BL**	2CLA220420N1102	10
Silver	**N2204.2 PL**	2CLA220420N1302	10
Anthracite	**N2204.2 AN**	2CLA220420N1802	10
Champagne	**N2204.2 CV**	2CLA220420N1902	10

	Push-button, SP with bell symbol - 3M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Opened (NO) contact. Optional: locator LED lamp N2191.1 BL (127 Vac).		
White	**N2304 BL**	2CLA230400N1102	10
Silver	**N2304 PL**	2CLA230400N1302	10
Anthracite	**N2304 AN**	2CLA230400N1802	10
Champagne	**N2304 CV**	2CLA230400N1902	10

	Push-button, NC, SP without symbol - 1M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Closed (NC) contact. Locator lamp option not available.		
White	**N2104.6 BL**	2CLA210460N1102	5
Silver	**N2104.6 PL**	2CLA210460N1302	5
Anthracite	**N2104.6 AN**	2CLA210460N1802	5
Champagne	**N2104.6 CV**	2CLA210460N1902	5

	Push-button, NC, SP without symbol - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Closed (NC) contact Locator lamp option not available.		
White	**N2204.6 BL**	2CLA220460N1102	5
Silver	**N2204.6 PL**	2CLA220460N1302	5
Anthracite	**N2204.6 AN**	2CLA220460N1802	5
Champagne	**N2204.6 CV**	2CLA220460N1902	5

Zenit

Push buttons

Color	Article-No.	Order-No.	Pack/Qty
	Push-button, SP without symbol - 1M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Opened (NO) contact. Optional: locator LED lamp N2191 BL (127 Vac) or N2191 VD (230 Vac).		
White	**N2104.7 BL**	2CLA210470N1102	20
Silver	**N2104.7 PL**	2CLA210470N1302	20
Anthracite	**N2104.7 AN**	2CLA210470N1802	20
Champagne	**N2104.7 CV**	2CLA210470N1902	20

Color	Article-No.	Order-No.	Pack/Qty
	Push-button, SP without symbol - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Opened (NO) contact. Optional: locator LED lamp N2191.1 BL (127 Vac) or N2191 VD (230 Vac).		
White	**N2204.7 BL**	2CLA220470N1102	10
Silver	**N2204.7 PL**	2CLA220470N1302	10
Anthracite	**N2204.7 AN**	2CLA220470N1802	10
Champagne	**N2204.7 CV**	2CLA220470N1902	10

Color	Article-No.	Order-No.	Pack/Qty
	Push-button, SP with label holder - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Screwless terminals. 1-gang, 1-way - Normally Opened (NO) contact. Optional: locator LED lamp N2191.1 BL (127 Vac) or N2191 VD (230 Vac).		
White	**N2204.8 BL**	2CLA220480N1102	10
Silver	**N2204.8 PL**	2CLA220480N1302	10
Anthracite	**N2204.8 AN**	2CLA220480N1802	10
Champagne	**N2204.8 CV**	2CLA220480N1902	10

Rocker covers with symbol

Color	Article-No.	Order-No.	Pack/Qty
	Rocker cover with symbol housing - 1M Spare rocker cover with housing for N2004.X symbols. Suitable for N2101.X, N2102.X, N2110 and N2104.X inserts.		
White	**N2101.9 BL**	2CLA210190N1102	10
Silver	**N2101.9 PL**	2CLA210190N1302	10
Anthracite	**N2101.9 AN**	2CLA210190N1802	10
Champagne	**N2101.9 CV**	2CLA210190N1902	10

Color	Article-No.	Order-No.	Pack/Qty
	Rocker cover with symbol housing - 2M Spare rocker cover with housing for N2004.X symbols. Suitable for N2201.X, N2202.X, N2210 and N2204.X inserts.		
White	**N2201.9 BL**	2CLA220190N1102	10
Silver	**N2201.9 PL**	2CLA220190N1302	10
Anthracite	**N2201.9 AN**	2CLA220190N1802	10
Champagne	**N2201.9 CV**	2CLA220190N1902	10

Color	Article-No.	Order-No.	Pack/Qty
	Rocker cover with symbol housing - 3M Spare rocker cover with housing for N2004.X symbols. Suitable for N2301, N2302, N2310 and N2304inserts.		
White	**N2301.9 BL**	2CLA230190N1102	5
Silver	**N2301.9 PL**	2CLA230190N1302	5
Anthracite	**N2301.9 AN**	2CLA230190N1802	5
Champagne	**N2301.9 CV**	2CLA230190N1902	5

	Symbols Symbols for N2X01.9 rocker covers.		
Key symbol	**N2004.1**	2CLA200410N1102	10
Fan symbol	**N2004.2**	2CLA200420N1102	10
WC symbol	**N2004.3**	2CLA200430N1102	10
Room service symbol	**N2004.4**	2CLA200440N1102	10
Nurse symbol	**N2004.5**	2CLA200450N1102	10
Dot symbol	**N2004.6**	2CLA200460N1102	10

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Zenit
Card switches

Color	Article-No.	Order-No.	Pack/Qty
	Card switch 1-gang, 1-way, DP - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. For 54mm width cards. Included: locator LED lamp N2193 VD (127 Vac) or N2193 NG (230 Vac).		
White	**N2214.1 BL**	2CLA221410N1102	10
Silver	**N2214.1 PL**	2CLA221410N1302	10
Anthracite	**N2214.1 AN**	2CLA221410N1802	10
Champagne	**N2214.1 CV**	2CLA221410N1902	10

	Card timer switch 1-gang, 1-way, SP - 2M
	Rated voltage: 110 - 250 Vac ; 50-60 Hz.
	Rated current:
	- Incandescent/halogen: 3.000W@230Vac /
	  1.600W@127Vac.
	- Fluorescent: 1.300VA@230Vac / 700VA@127Vac.
	- Electronic and ferromag. transf. and motors:
	  3.000VA@230Vac / 1.600VA@127Vac.
	For 54mm width cards.
	Locator LED lamp included.
	Time delayed switch: 5 - 90 seconds.		

White	**N2214.5 BL**	2CLA221450N1102	1
Silver	**N2214.5 PL**	2CLA221450N1302	1
Anthracite	**N2214.5 AN**	2CLA221450N1802	1
Champagne	**N2214.5 CV**	2CLA221450N1902	1

Pullcord switches

Color	Article-No.	Order-No.	Pack/Qty
	Pullcord switch 1-gang, 1-way, SP - 1M Rated voltage: 110 - 250 Vac. Rated current: 16A. Screwless terminals. Cord length: 2 meters.		
White	**N2148 BL**	2CLA214800N1102	5
Silver	**N2148 PL**	2CLA214800N1302	5
Anthracite	**N2148 AN**	2CLA214800N1802	5
Champagne	**N2148 CV**	2CLA214800N1902	5
	Pullcord switch 1-gang, 1-way, SP - 2M Rated voltage: 110 - 250 Vac. Rated current: 16A. Screwless terminals. Cord length: 2 meters.		
White	**N2248 BL**	2CLA224800N1102	5
Silver	**N2248 PL**	2CLA224800N1302	5
Anthracite	**N2248 AN**	2CLA224800N1802	5
Champagne	**N2248 CV**	2CLA224800N1902	5

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Zenit
Key switches

Color	Article-No.	Order-No.	Pack/Qty
	Key switch 2-way, 3 positions, SP - 1M Rated voltage: 110 - 250 Vac. Rated current: 5A. Key removable in the 3 positions. Unique key for each lock. Suitable for blinds, shutters, etc.		
White	**N2153.1 BL**	2CLA215310N1102	1
Silver	**N2153.1 PL**	2CLA215310N1302	1
Anthracite	**N2153.1 AN**	2CLA215310N1802	1
Champagne	**N2153.1 CV**	2CLA215310N1902	1
	Key switch 1-way, 2 positions, SP - 2M Rated voltage: 110 - 250 Vac. Rated current: 5A. Key removable in the 2 positions. Unique key for each lock. Suitable for alarms.		
White	**N2253 BL**	2CLA225300N1102	1
Silver	**N2253 PL**	2CLA225300N1302	1
Anthracite	**N2253 AN**	2CLA225300N1802	1
Champagne	**N2253 CV**	2CLA225300N1902	1
	Key switch 2-way, 3 positions, SP - 2M Rated voltage: 110 - 250 Vac. Rated current: 150mA. Key removable in "OFF" position. Unique key for each lock. Suitable for blinds, shutters, etc.		
White	**N2253.1 BL**	2CLA225310N1102	1
Silver	**N2253.1 PL**	2CLA225310N1302	1
Anthracite	**N2253.1 AN**	2CLA225310N1802	1
Champagne	**N2253.1 CV**	2CLA225310N1902	1
	Key push-button 1-way, 2 positions, SP - 2M Rated voltage: 110 - 250 Vac. Rated current: 5A. Key removable in "OFF" position. Unique key for each lock. Suitable for alarms.		
White	**N2253.2 BL**	2CLA225320N1102	1
Silver	**N2253.2 PL**	2CLA225320N1302	1
Anthracite	**N2253.2 AN**	2CLA225320N1802	1
Champagne	**N2253.2 CV**	2CLA225320N1902	1

Zenit

Blind controls

Color	Article-No.	Order-No.	Pack/Qty
Push-button blind control 1-gang - 1M Rated voltage: 110 - 250 Vac. Rated current: 6AX. Miniswitch. Direct control.			
White	**N2144 BL**	2CLA214400N1102	5
Silver	**N2144 PL**	2CLA214400N1302	5
Anthracite	**N2144 AN**	2CLA214400N1802	5
Champagne	**N2144 CV**	2CLA214400N1902	5
Push-button blind control 2-gangs - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Direct control. Interlocked gangs.			
White	**N2244 BL**	2CLA224400N1102	5
Silver	**N2244 PL**	2CLA224400N1302	5
Anthracite	**N2244 AN**	2CLA224400N1802	5
Champagne	**N2244 CV**	2CLA224400N1902	5
Switch blind control 2-gangs - 2M Rated voltage: 110 - 250 Vac. Rated current: 16AX. Direct control. Interlocked gangs.			
White	**N2244.1 BL**	2CLA224410N1102	5
Anthracite	**N2244.1 AN**	2CLA224410N1302	5
Silver	**N2244.1 PL**	2CLA224410N1802	5
Champagne	**N2244.1 CV**	2CLA224410N1902	5
Electronic blind control 1-gang - 2M Rated voltage: 110 - 250 Vac; 50/60 Hz. Rated current: 700VA@230Vac / 350VA@127Vac. Direct control. Functions: - PERS: standard blinds control. Optionally other N2244 inserts can be connected to the N2261.2 to control the blind from other locations. - LAM: venetian type blinds control. Optionally other N2244 inserts can be connected to the N2261.2 to control the blind from other locations. - Centralization (CEN): one N2261.2 can control all the N2261.2 centrally.			
White	**N2261.2 BL**	2CLA226120N1102	1
Silver	**N2261.2 PL**	2CLA226120N1302	1
Anthracite	**N2261.2 AN**	2CLA226120N1802	1
Champagne	**N2261.2 CV**	2CLA226120N1902	1

Decorative trims for rocker covers

Color	Article-No.	Order-No.	Pack/Qty
Decorative trim - 1M Spare decorative trim. Suitable for N2101.X, N2102.X, N2110 and N2104.X inserts.			
Green diffuser	**N2170 VD**	2CLA217000N1002	20
White	**N2170 BL**	2CLA217000N1102	20
Anthracite	**N2170 AN**	2CLA217000N1402	20
Chrome	**N2170 CR**	2CLA217000N1802	20
Champagne	**N2170 CV**	2CLA217000N1902	20
Decorative trim - 1,5M Spare decorative trim. Suitable for N2801, N2802 and N2810 inserts.			
White	**N2870 BL**	2CLA287000N1102	20
Anthracite	**N2870 AN**	2CLA287000N1802	20
Champagne	**N2870 CV**	2CLA287000N1902	20
Decorative trim - 2M Spare decorative trim. Suitable for N2201.X, N2202.X, N2210 and N2204.X inserts.			
Green diffuser	**N2270 VD**	2CLA227000N1002	20
White	**N2270 BL**	2CLA227000N1102	20
Chrome	**N2270 CR**	2CLA227000N1402	20
Anthracite	**N2270 AN**	2CLA227000N1802	20
Champagne	**N2270 CV**	2CLA227000N1902	20
Decorative trim - 3M Spare decorative trim. Suitable for N2301, N2302, N2310 and N2304 inserts.			
White	**N2370 BL**	2CLA237000N1102	20
Anthracite	**N2370 AN**	2CLA237000N1802	20
Champagne	**N2370 CV**	2CLA237000N1902	20

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Zenit
Locator & indicator lights

Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 127 Vac - Card switch Suitable for N2214.1 card switches. Rated voltage: 127 Vac. Tooless front connection. Rated current: <0,7 mA.		
Green light	**N2193 VD**	2CLA219300N1002	20

Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 230 Vac - Card switch Suitable for N2214.1 card switches. Rated voltage: 230 Vac. Tooless front connection. Rated current: <0,7 mA.		
Green light	**N2193 NG**	2CLA219310N1002	20

Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 230 Vac - 1 & 2M Suitable for 1-gang, 1-way, SP switches and 1-gang, 1-way, SP NO push-buttons. Rated voltage: 230 Vac. Tooless front connection. Includes diffusers for 1 and 2 module rocker covers. Rated current: <0,2 mA. Specially designed for CFL and LED lamps.		
Green light	**N2191 VD**	2CLA219100N1002	10

Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 127 Vac - 1M Suitable for 1-gang, 1-way, SP switches and 1-gang, 1-way, SP NO push-buttons. Rated voltage: 230 Vac. Tooless front connection. Includes diffuser for 1 module rocker covers. Rated current: <0,2 mA. Specially designed for CFL and LED lamps.		
Green light	**N2191 BL**	2CLA219101N1002	10

Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 127 Vac - 1,5 ; 2 & 3M Suitable for 1-gang, 1-way, SP switches and 1-gang, 1-way, SP NO push-buttons. Rated voltage: 230 Vac. Tooless front connection. Includes diffuser for 1,5; 2 and 3 module rocker covers. Rated current: <0,2 mA. Specially designed for CFL and LED lamps.		
Green light	**N2191.1 BL**	2CLA219110N1002	10

Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 230 Vac - 1 & 2M Suitable for 1-gang, 1-way, DP switches, 1-gang, 2-ways, SP and 1-gang, intermediate switches. Rated voltage: 230 Vac. Tooless front connection. Includes diffusers for 1 and 2 module rocker covers. Rated current: <0,2 mA. Specially designed for CFL and LED lamps.		
Green light	**N2192 RJ**	2CLA219200N1002	10

Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 127 Vac - 1M Suitable for 1-gang, 1-way, DP switches, 1-gang, 2-ways, SP and 1-gang, intermediate switches. Rated voltage: 230 Vac. Tooless front connection. Includes diffusers for 1 module rocker covers. Rated current: <0,2 mA. Specially designed for CFL and LED lamps.		
Green light	**N2192 NG**	2CLA219201N1002	10

Color	Article-No.	Order-No.	Pack/Qty
	Locator LED lamp kit - 127 Vac - 1,5 ; 2 & 3M Suitable for 1-gang, 1-way, DP switches, 1-gang, 2-ways, SP and 1-gang, intermediate switches. Rated voltage: 230 Vac. Tooless front connection. Includes diffusers for 1,5; 2 and 3 module rocker covers. Rated current: <0,2 mA. Specially designed for CFL and LED lamps.		
Green light	**N2192.1 NG**	2CLA219210N1002	10

Zenit
Socket outlets

Color	Article-No.	Order-No.	Pack/Qty
Schuko socket outlet - 2M Rated voltage: 250 Vac. Rated current: 16A. Type F: 2P + E. Shuttered for child safety. Screw terminals.			
White	**N2288 BL**	2CLA228800N1102	10
Silver	**N2288 PL**	2CLA228800N1302	10
Anthracite	**N2288 AN**	2CLA228800N1802	10
Champagne	**N2288 CV**	2CLA228800N1902	10

Color	Article-No.	Order-No.	Pack/Qty
Schuko socket outlet - 2M Rated voltage: 250 Vac. Rated current: 16A. Type F: 2P + E. Shuttered for child safety. Screw terminals. Suitable to identify special circuits.			
Red	**N2288 RJ**	2CLA228800N7002	5
Green	**N2288 VD**	2CLA228800N8002	5
Orange	**N2288 NA**	2CLA228800N9002	5

Color	Article-No.	Order-No.	Pack/Qty
Schuko socket outlet with lid - 2M Rated voltage: 250 Vac. Rated current: 16A. Type F: 2P + E. Shuttered for child safety. Screw terminals. Lid with notch. 180° opening.			
White	**N2288.1 BL**	2CLA228810N1102	10
Silver	**N2288.1 PL**	2CLA228810N1302	10
Anthracite	**N2288.1 AN**	2CLA228810N1802	10
Champagne	**N2288.1 CV**	2CLA228810N1902	10

Color	Article-No.	Order-No.	Pack/Qty
Schuko socket outlet srewless terminal - 2M Rated voltage: 250 Vac. Rated current: 16A. Type F: 2P + E. Shuttered for child safety. Screwless terminals.			
White	**N2288.6 BL**	2CLA228860N1102	10
Silver	**N2288.6 PL**	2CLA228860N1302	10
Anthracite	**N2288.6 AN**	2CLA228860N1802	10
Champagne	**N2288.6 CV**	2CLA228860N1902	10

Color	Article-No.	Order-No.	Pack/Qty
European unearthed socket outlet - 2M Rated voltage: 250 Vac. Rated current: 16A. Type C: 2P (non earthed). Shuttered for child safety. Screw terminals.			
White	**N2203 BL**	2CLA220300N1102	10
Silver	**N2203 PL**	2CLA220300N1302	10
Anthracite	**N2203 AN**	2CLA220300N1802	10
Champagne	**N2203 CV**	2CLA220300N1902	10

Color	Article-No.	Order-No.	Pack/Qty
French/Earth-pin socket outlet - 2M Rated voltage: 250 Vac. Rated current: 16A. Type E: 2P + E. Shuttered for child safety. Screw terminals.			
White	**N2287 BL**	2CLA228700N1102	10
Silver	**N2287 PL**	2CLA228700N1302	10
Anthracite	**N2287 AN**	2CLA228700N1802	10
Champagne	**N2287 CV**	2CLA228700N1902	10

Color	Article-No.	Order-No.	Pack/Qty
French/Earth-pin socket outlet - 2M Rated voltage: 250 Vac. Rated current: 16A. Type E: 2P + E. Shuttered for child safety. Screw terminals. Suitable to identify special circuits.			
Red	**N2287 RJ**	2CLA228770N1002	10

Color	Article-No.	Order-No.	Pack/Qty
French/Earth-pin socket outlet screwless - 2M Rated voltage: 250 Vac. Rated current: 16A. Type E: 2P + E. Shuttered for child safety. Screwless terminals.			
White	**N2287.6 BL**	2CLA228760N1102	10
Silver	**N2287.6 PL**	2CLA228760N1302	10
Anthracite	**N2287.6 AN**	2CLA228760N1802	10
Champagne	**N2287.6 CV**	2CLA228760N1902	10

Color	Article-No.	Order-No.	Pack/Qty
French/Earth-pin socket outlet screwless - 2M Rated voltage: 250 Vac. Rated current: 16A. Type E: 2P + E. Shuttered for child safety. Screwless terminals. Suitable to identify special circuits.			
Red	**N2287.6 RJ**	2CLA228760N7002	10
Green	**N2287.6 VD**	2CLA228760N8002	10

Color	Article-No.	Order-No.	Pack/Qty
Italian 10/16A socket outlet - 1M Rated voltage: 250 Vac. Rated current: 10 / 16A. Type L: 2P + E / P17/11. Shuttered for child safety. Screw terminals.			
White	**N2133 BL**	2CLA213300N1102	20
Silver	**N2133 PL**	2CLA213300N1302	20
Anthracite	**N2133 AN**	2CLA213300N1802	20
Champagne	**N2133 CV**	2CLA213300N1902	20

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Zenit
Socket outlets

Color	Article-No.	Order-No.	Pack/Qty
Italian 10A socket outlet - 1M			
Rated voltage: 250 Vac.			
Rated current: 10A.			
Type L: 2P + E / P11.			
Shuttered for child safety.			
Screw terminals.			
White	**N2133.1 BL**	2CLA213310N1102	20
Silver	**N2133.1 PL**	2CLA213310N1302	20
Anthracite	**N2133.1 AN**	2CLA213310N1802	20
Champagne	**N2133.1 CV**	2CLA213310N1902	20

Color	Article-No.	Order-No.	Pack/Qty
American earthed socket outlet - 1M			
Rated voltage: 125 Vac.			
Rated current: 15A.			
Type B: 2P + E / NEMA 5-15R.			
Shuttered for child safety.			
Screw terminals.			
White	**N2128 BL**	2CLA212800N1102	20
Silver	**N2128 PL**	2CLA212800N1302	20
Anthracite	**N2128 AN**	2CLA212800N1802	20
Champagne	**N2128 CV**	2CLA212800N1902	20

Color	Article-No.	Order-No.	Pack/Qty
American earthed duplex socket outlet - 3M			
Rated voltage: 125 Vac.			
Rated current: 15A.			
Type B: 2P + E / NEMA 5-15R.			
Duplex outlet.			
Shuttered for child safety.			
Screw terminals.			
White	**N2328 BL**	2CLA232800N1102	20
Silver	**N2328 PL**	2CLA232800N1302	20
Anthracite	**N2328 AN**	2CLA232800N1802	20
Champagne	**N2328 CV**	2CLA232800N1902	20

Color	Article-No.	Order-No.	Pack/Qty
Euro-American unearthed socket outlet - 1M			
Rated voltage: 125 / 250 Vac.			
Rated current: 15 / 16 A.			
Type A+C: 2P (non-earthed) / NEMA 1-15R.			
Screw terminals.			
White	**N2135 BL**	2CLA213500N1102	20
Silver	**N2135 PL**	2CLA213500N1302	20
Anthracite	**N2135 AN**	2CLA213500N1802	20
Champagne	**N2135 CV**	2CLA213500N1902	20

Color	Article-No.	Order-No.	Pack/Qty
Euro-American earthed socket outlet - 1M			
Rated voltage: 125 / 250 Vac.			
Rated current: 15 / 16 A.			
Type B+C: 2P + E / NEMA 5-15R.			
Shuttered for child safety.			
Screw terminals.			
White	**N2138 BL**	2CLA213800N1102	20
Silver	**N2138 PL**	2CLA213800N1302	20
Anthracite	**N2138 AN**	2CLA213800N1802	20
Champagne	**N2138 CV**	2CLA213800N1902	20

Color	Article-No.	Order-No.	Pack/Qty
Euro-American earthed socket outlet - 2M			
Rated voltage: 125 / 250 Vac.			
Rated current: 15 / 16A.			
Type B+C: 2P + E / NEMA 5-15R.			
Shuttered for child safety.			
Screw terminals.			
White	**N2238 BL**	2CLA223800N1102	10
Silver	**N2238 PL**	2CLA223800N1302	10
Anthracite	**N2238 AN**	2CLA223800N1802	10
Champagne	**N2238 CV**	2CLA223800N1902	10

Color	Article-No.	Order-No.	Pack/Qty
Euro-American duplex socket outlet - 3M			
Rated voltage: 125 / 250 Vac.			
Rated current: 15 / 16A.			
Type B+C: 2P + E / NEMA 5-15R.			
Duplex outlet.			
Shuttered for child safety.			
Screw terminals			
White	**N2338 BL**	2CLA233800N1102	20
Silver	**N2338 PL**	2CLA233800N1302	20
Anthracite	**N2338 AN**	2CLA233800N1802	20
Champagne	**N2338 CV**	2CLA233800N1902	20

Color	Article-No.	Order-No.	Pack/Qty
Brazilian 10A socket outlet - 1M			
Rated voltage: 250 Vac.			
Rated current: 10 A.			
Type N: 2P + E.			
Shuttered for child safety.			
Screw terminals.			
White	**N2136 BL**	2CLA213600N1102	10
Silver	**N2136 PL**	2CLA213600N1302	10
Anthracite	**N2136 AN**	2CLA213600N1802	10
Champagne	**N2136 CV**	2CLA213600N1902	10

Color	Article-No.	Order-No.	Pack/Qty
Brazilian 10A socket outlet - 1M			
Rated voltage: 250 Vac.			
Rated current: 10 A.			
Type N: 2P + E.			
Shuttered for child safety.			
Screw terminals.			
Suitable to identify special circuits.			
Red	**N2136 RJ**	2CLA213600N7002	5

Zenit

Socket outlets

Color	Article-No.	Order-No.	Pack/Qty
	Brazilian 20A socket outlet - 1M Rated voltage: 250 Vac. Rated current: 20 A. Type N: 2P + E. Shuttered for child safety. Screw terminals.		
White	**N2136.2 BL**	2CLA213620N1102	10
Silver	**N2136.2 PL**	2CLA213620N1302	10
Anthracite	**N2136.2 AN**	2CLA213620N1802	10
Champagne	**N2136.2 CV**	2CLA213620N1902	10
	Brazilian 20A socket outlet - 1M Rated voltage: 250 Vac. Rated current: 20 A. Type N: 2P + E. Shuttered for child safety. Screw terminals. Suitable to identify special circuits.		
Red	**N2136.2 RJ**	2CLA213620N7002	5
	British standard socket outlet - 2M Rated voltage: 250 Vac. Rated current: 13A. Type G: 2P + E. Without switch. Shuttered for child safety. Screw terminals.		
White	**N2237 BL**	2CLA223700N1102	10
Anthracite	**N2237 AN**	2CLA223700N1302	10
Silver	**N2237 PL**	2CLA223700N1802	10
Champagne	**N2237 CV**	2CLA223700N1902	10
	Universal socket outlet - 2M Rated voltage: 125 / 250 Vac. Rated current: 13 / 16A. Multiple type: 2P + E. Shuttered for child safety. Screw terminals.		
White	**N2239 BL**	2CLA223900N1102	10
Silver	**N2239 PL**	2CLA223900N1302	10
Anthracite	**N2239 AN**	2CLA223900N1802	10
Champagne	**N2239 CV**	2CLA223900N1902	10

USB Charger

Color	Article-No.	Order-No.	Pack/Qty
	USB charger 750mA, 1-gang - 1M Input voltage: 100 - 240 Vac ±10%; 50/60 Hz. Input current: 0,12 A (with maximum load). Output voltage: 5 Vdc ±5%. Output current: 750 mA. Power consumption in stand-by: <= 0,3W@230Vac. Energy efficiency: >= 66%. Operating temperature: 0°C to 45°C.		
White	**N2185 BL**	2CLA218500N1102	1
Silver	**N2185 PL**	2CLA218500N1302	1
Anthracite	**N2185 AN**	2CLA218500N1802	1
Champagne	**N2185 CV**	2CLA218500N1902	1
	USB charger 2.000mA, 1-gang - 1M Input voltage: 100 - 230 Vac ±10%; 50/60 Hz. Input current: 0,20 A (with maximum load). Output voltage: 5 Vdc ±5%. Output current: 2.000 mA. Power consumption in stand-by: <= 0,01W@230Vac. Energy efficiency: >= 79%. Operating temperature: 0°C to 45°C.		
White	**N2185.2 BL**	2CLA218520N1102	1
Silver	**N2185.2 PL**	2CLA218520N1302	1
Anthracite	**N2185.2 AN**	2CLA218520N1802	1
Champagne	**N2185.2 CV**	2CLA218520N1902	1
	USB charger 1.500mA, 2-gang - 2M Input voltage: 100 - 240 Vac ±10%; 50/60 Hz. Input current: 0,20 A (with maximum load). Output voltage: 5 Vdc ±5%. Output current: 1.500 mA (total for both gangs). Power consumption in stand-by: <= 0,3W@230Vac. Energy efficiency: >= 71%. Operating temperature: 0°C to 35°C.		
White	**N2285 BL**	2CLA228500N1102	1
Silver	**N2285 PL**	2CLA228500N1302	1
Anthracite	**N2285 AN**	2CLA228500N1802	1
Champagne	**N2285 CV**	2CLA228500N1902	1

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Zenit
Protection devices

Color	Article-No.	Order-No.	Pack/Qty
	Fuse holder - 1M Rated voltage: 250 Vac. Rated current: 16A. Fuse type / dimension: glass tube / 6 x 24 mm.		
White	**N2108 BL**	2CLA210800N1102	20
Silver	**N2108 PL**	2CLA210800N1302	20
Anthracite	**N2108 AN**	2CLA210800N1802	20
Champagne	**N2108 CV**	2CLA210800N1902	20

Color	Article-No.	Order-No.	Pack/Qty
	Fuse holder - 2M Rated voltage: 250 Vac. Rated current: 16A. Fuse type / dimension: glass tube / 6 x 24 mm.		
White	**N2208 BL**	2CLA220800N1102	10
Silver	**N2208 PL**	2CLA220800N1302	10
Anthracite	**N2208 AN**	2CLA220800N1802	10
Champagne	**N2208 CV**	2CLA220800N1902	10

Color	Article-No.	Order-No.	Pack/Qty
	Circuit breaker 6A & RCD - 2M Rated voltage: 120 - 230 Vac; 50/60 Hz. Rated current: 6A. Braking capacity: 1.500A. Residual current (sensitivity - IΔn): 10 mA. C type magneto-thermic protection. A type residual current protection. Two-pole (1P + N) with 1 protected pole.		
White	**N2234.1 BL**	2CLA223410N1102	1
Silver	**N2234.1 PL**	2CLA223410N1302	1
Anthracite	**N2234.1 AN**	2CLA223410N1802	1
Champagne	**N2234.1 CV**	2CLA223410N1902	1

Color	Article-No.	Order-No.	Pack/Qty
	Circuit breaker 10A & RCD - 2M Rated voltage: 120 - 230 Vac; 50/60 Hz. Rated current: 10A. Braking capacity: 3.000A. Residual current (sensitivity - IΔn): 10 mA. C type magneto-thermic protection. A type residual current protection. Two-pole (1P + N) with 1 protected pole.		
White	**N2234.2 BL**	2CLA223420N1102	1
Silver	**N2234.2 PL**	2CLA223420N1302	1
Anthracite	**N2234.2 AN**	2CLA223420N1802	1
Champagne	**N2234.2 CV**	2CLA223420N1902	1

Color	Article-No.	Order-No.	Pack/Qty
	Circuit breaker 16A & RCD - 2M Rated voltage: 120 - 230 Vac; 50/60 Hz. Rated current: 16A. Braking capacity: 3.000A. Residual current (sensitivity - IΔn): 10 mA. C type magneto-thermic protection. A type residual current protection. Two-pole (1P + N) with 1 protected pole.		
White	**N2234.3 BL**	2CLA223430N1102	1
Silver	**N2234.3 PL**	2CLA223430N1302	1
Anthracite	**N2234.3 AN**	2CLA223430N1802	1
Champagne	**N2234.3 CV**	2CLA223430N1902	1

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Zenit
TV socket outlets

Product	Article-No.	Order-No.	Pack/Qty
	TV / R terminal outlet TV and R double outlet - Final. Without filter. Installation as a terminal outlet connected to a tap-off or splitter (without terminal resistor). Connection: screw terminal and clamp. Output connectors (C1 / C2): IEC male 9,52 mm. diam. / IEC female 9,52 mm. diam. Frequency range (I/O / C1 / C2): 5 - 862 MHz / 5 - 862 MHz / 5 - 862 MHz. Basic loss (FM / DAB / VHF / UHF): 10,0±0,7 dB / 10,0 ±1,5 dB / 4,0±1,5 dB / 3,0±0,5 dB. Isolation (FM / TV): >14 / >14. Return loss (FM / TV): >18 / >10. To be installed with N2250.8 cover plates. Fitting boxes with 60mm distance between screws (codes: 1099, 1999 and 1999.2).		
	8150	2CLA815000A1002	10
	TV / R final outlet - CATV outlet TV and R double outlet - CATV outlet - Final. With filter. Installation as a terminal outlet connected to a tap-off or splitter (without terminal resistor). Connection: screw terminal and clamp. Output connectors (C1 / C2): IEC male 9,52 mm. diam. / IEC female 9,52 mm. diam. Frequency range (C1 / C2): 5 - 68 & 118 - 1.000 MHz / 87,5 - 108 MHz. Basic loss (R / FM / TV): 0,3±0,1 dB / 1,1 ±0,3 dB / 0,9±0,3 dB. Isolation (FM / TV): >18 / >16. Selectivity (FM / TV): >10 / >18. Return loss (R / FM / TV): >18 / >16 / >18. Chroma-luminance delay (ns): <10. To be installed with N2250.8 cover plates. Fitting boxes with 60mm distance between screws (codes: 1099, 1999 and 1999.2).		
	8150.3	2CLA815030A1002	10
	TV / R loop-through outlet TV and R double outlet - Intermediate. Installation as an intermediate outlet in series connected to each other. From 2nd to 4th floor. Connection: screw terminal and clamp. Output connectors (C1 / C2): IEC male 9,52 mm. diam. / IEC female 9,52 mm. diam. Frequency range (I/O / C1 / C2): 13 - 862 MHz / 13 - 862 MHz / 13 - 862 MHz. Basic loss (FM / DAB / VHF / UHF): 25±1,5 dB / 25 ±1,5 dB / 8,0±0,7 dB / 8,0±0,7 dB. Through loss (FM / VHF / UHF): 2,0±0,3 dB / 2,0±0,5 dB / 2,0±0,5 dB. Directivity (FM / TV): >12 dB / >9 dB. Isolation (FM / TV): >16 / >15. Return loss (FM / TV): >12 / >12. To be installed with N2250.8 cover plates. Fitting boxes with 60mm distance between screws (codes: 1099, 1999 and 1999.2).		
	8150.7	2CLA815070A1002	10

Color	Article-No.	Order-No.	Pack/Qty
	Cover plate for TV/R outlet - 2M Cover plates for outlets with 2 connectors codes 8150, 8150.3 and 8150.7. Covers prepared to fix the frame to the wall. TV and R engraved in the front.		
White	**N2250.8 BL**	2CLA225080N1102	20
Silver	**N2250.8 PL**	2CLA225080N1302	20
Anthracite	**N2250.8 AN**	2CLA225080N1802	20
Champagne	**N2250.8 CV**	2CLA225080N1902	20
	TV-R/SAT terminal outlet TV-R and SAT double outlet - Final. Installation as a terminal outlet connected to a tap-off or splitter (without terminal resistor). Connection: screw terminal and clamp. Output connectors (C1 / C2): IEC male 9,52 mm. diam. / IEC female 9,52 mm. diam. Frequency range (I/O / C1 / C2): 5 - 2.400 MHz / 5 - 862 MHz / 930 - 2.400 MHz. Basic loss (FM / TV / SAT): 0,2±0,1 dB / 1,0 ±0,5 dB / 1,2±0,6 dB. Isolation (FM / TV / SAT): >45 / >14 / >14. Selectivity (TV-R / SAT): >15 / >15. Return loss (VR / FM / TV / SAT): >25 / >25 / >14 / >10. DC path (Vdc / mA / Tono): 24 max. / 500 max. / 22 KHz - DiSEqC. To be installed with N2250.1 cover plates. Fitting boxes with 60mm distance between screws (codes: 1099, 1999 and 1999.2).		
	8151.3	2CLA815130A1002	10
	TV-R/SAT final outlet TV-R and SAT double outlet - Final. Installation as a terminal outlet connected to a series with loop-through outlets. Connection: screw terminal and clamp. Output connectors (C1 / C2): IEC male 9,52 mm. diam. / IEC female 9,52 mm. diam. Frequency range (I/O / C1 / C2): 5 - 2.400 MHz / 5 - 2.400 MHz / 5 - 2.400 MHz. Basic loss (FM / TV / SAT): 3,7±0,3 dB / 4,0±0,5 dB / 5,0±1,2 dB. Isolation (FM / TV / SAT): >20 / >20 / >14. Return loss (VR / FM / TV / SAT): >16 / >16 / >16 / >9. DC path (Vdc / mA / Tono): 24 max. / 500 max. / 22 KHz - DiSEqC. To be installed with N2250.1 cover plates. Fitting boxes with 60mm distance between screws (codes: 1099, 1999 and 1999.2).		
	8151.7	2CLA815170A1002	10

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Zenit
TV socket outlets

Product	Article-No.	Order-No.	Pack/Qty
TV-R/SAT loop-through outlet TV-R and SAT double outlet - Intermediate. Installation as an intermediate outlet in series connected to each other. Output connectors (C1 / C2): IEC male 9,52 mm. diam. / IEC female 9,52 mm. diam. Frequency range (I/O / C1 / C2): 5 - 2.400 MHz / 5 - 2.400 MHz / 5 - 2.400 MHz. Basic loss (FM / TV / SAT): 10,0±1,0 dB / 10,0±1,0 dB / 12,0±2,0 dB. Through loss (FM / TV / SAT): 2,5±0,5 / 2,5±0,7 / 3,0±1,0. Directivity (FM / TV / SAT): >20 / >12 / >5. Isolation (FM / TV / SAT): >45 / >30 / >28. Return loss (VR / FM / TV / SAT): >13 / >13 / >12 / >12. DC path (Vdc / mA / Tono): 24 max. / 500 max. / 22 KHz - DiSEqC. To be installed with N2250.1 cover plates. Fitting boxes with 60mm distance between screws (codes: 1099, 1999 and 1999.2).			
	8151.8	2CLA815180A1002	10

Color	Article-No.	Order-No.	Pack/Qty
TV-R/SAT terminal outlet - 2M TV-R and SAT double outlet - Final. Installation as a terminal outlet connected to a tap-off or splitter (without terminal resistor). Connection: screw terminal and clamp. Output connectors (C1 / C2): IEC male 9,52mm diam. / IEC female 9,52mm diam. Frequency range (I/O / C1 / C2): 5 - 2.400 MHz / 5 - 862 MHz / 930 - 2.400 MHz. Basic loss (FM / TV / SAT): 0,2±0,1 dB / 1,0 ±0,5 dB / 1,2±0,6 dB. Isolation (FM / TV / SAT): >45 / >14 / >14. Selectivity (TV-R / SAT): >15 / >15. Return loss (VR / FM / TV / SAT): >25 / >25 / >14 / >10. DC path (Vdc / mA / Tono): 24 max. / 500 max. / 22 KHz - DiSEqC.			
White	**N2251.3 BL**	2CLA225130N1102	10
Silver	**N2251.3 PL**	2CLA225130N1302	10
Anthracite	**N2251.3 AN**	2CLA225130N1802	10
Champagne	**N2251.3 CV**	2CLA225130N1902	10

Product	Article-No.	Order-No.	Pack/Qty
Cover plate for TV-R/SAT - 2M Cover plates for outlets with 2 connectors codes 8150.3, 8150.7 and 8150.8. Covers prepared to fix the frame to the wall. TV-R and SAT engraved in the front.			
White	**N2250.1 BL**	2CLA225010N1102	20
Silver	**N2250.1 PL**	2CLA225010N1302	20
Anthracite	**N2250.1 AN**	2CLA225010N1802	20
Champagne	**N2250.1 CV**	2CLA225010N1902	20

Color	Article-No.	Order-No.	Pack/Qty
TV-R/SAT final outlet - 2M TV-R and SAT double outlet - Final. Installation as a terminal outlet connected to a series with loop-through outlets. Connection: screw terminal and clamp. Output connectors (C1 / C2): IEC male 9,52mm diam. / IEC female 9,52 mm. diam. Frequency range (I/O / C1 / C2): 5 - 2.400 MHz / 5 - 2.400 MHz / 5 - 2.400 MHz. Basic loss (FM / TV / SAT): 3,7±0,3 dB / 4,0±0,5 dB / 5,0±1,2 dB. Isolation (FM / TV / SAT): >20 / >20 / >14. Return loss (VR / FM / TV / SAT): >16 / >16 / >16 / >9. DC path (Vdc / mA / Tono): 24 max. / 500 max. / 22 KHz - DiSEqC.			
White	**N2251.7 BL**	2CLA225170N1102	10
Silver	**N2251.7 PL**	2CLA225170N1302	10
Anthracite	**N2251.7 AN**	2CLA225170N1802	10
Champagne	**N2251.7 CV**	2CLA225170N1902	10

Product	Article-No.	Order-No.	Pack/Qty
TV/R/SAT final outlet TV, R and SAT triple outlet - Final. Installation as a terminal outlet. Connection: screw terminal and clamp. Output connectors (C1 / C2 / C3): IEC male 9,52 mm. diam. / IEC female 9,52 mm. diam. / F female Frequency range (I / C1 / C2 / C3): 5 - 2.500 MHz / 5 - 68 & 125 - 862 MHz / 87,5 - 108 MHz / 950 - 2.5000 MHz. Basic loss (FM / TV / SAT): 2,0 dB / 2,7 dB / 2,3 dB. Isolation (FM / TV / SAT): >24,3 / >15 / >15. Selectivity (FM / TV / SAT): >15 / >15 / >15. Return loss (VR / FM / TV / SAT): >7,6 / >10 / >7,6 / >8,2. DC path (Vdc / mA / Tono): 34 max. / 500 max. / 22 KHz - DiSEqC. To be installed with N2252 cover plates. Fitting boxes with 60mm distance between screws (Codes: 1099, 1999 and 1999.2).			
	8152.7	2CLA815270A1002	10

Color	Article-No.	Order-No.	Pack/Qty
TV-R/SAT loop-through outlet - 2M TV-R and SAT double outlet - Intermediate. Installation as an intermediate outlet in series connected to each other. Output connectors (C1 / C2): IEC male 9,52 mm. diam. / IEC female 9,52 mm. diam. Frequency range (I/O / C1 / C2): 5 - 2.400 MHz / 5 - 2.400 MHz / 5 - 2.400 MHz. Basic loss (FM / TV / SAT): 10,0±1,0 dB / 10,0±1,0 dB / 12,0±2,0 dB. Through loss (FM / TV / SAT): 2,5±0,5 / 2,5±0,7 / 3,0±1,0. Directivity (FM / TV / SAT): >20 / >12 / >5. Isolation (FM / TV / SAT): >45 / >30 / >28. Return loss (VR / FM / TV / SAT): >13 / >13 / >12 / >12. DC path (Vdc / mA / Tono): 24 max. / 500 max. / 22 KHz - DiSEqC.			
White	**N2251.8 BL**	2CLA225180N1102	10
Silver	**N2251.8 PL**	2CLA225180N1302	10
Anthracite	**N2251.8 AN**	2CLA225180N1802	10
Champagne	**N2251.8 CV**	2CLA225180N1902	10

Product	Article-No.	Order-No.	Pack/Qty
Cover plate for TV/R/SAT - 2M Cover plates for outlets with 3 connectors code 8152.7. Covers prepared to fix the frame to the wall. TV, R and SAT engraved in the front.			
White	**N2252 BL**	2CLA225200N1102	20
Silver	**N2252 PL**	2CLA225200N1302	20
Anthracite	**N2252 AN**	2CLA225200N1802	20
Champagne	**N2252 CV**	2CLA225200N1902	20

Zenit
TV socket outlets

Color	Article-No.	Order-No.	Pack/Qty
	TV terminal outlet F-type - 1M Single TV outlet - Dead-end. F type. For 75 Ω impedance coaxial cable. Frequency range: 0 - 2.000 Mhz. Working voltage: 250 VRMS max. Dielectric withstanding voltage: 500 VRMS min. Contact resistance: - 5 mΩ max. (center contact). - 2 mΩ max. (outer contact). Insulator resistance: 1.000 MΩ min.		
White	**N2150 BL**	2CLA215000N1102	10
Silver	**N2150 PL**	2CLA215000N1302	10
Anthracite	**N2150 AN**	2CLA215000N1802	10
Champagne	**N2150 CV**	2CLA215000N1902	10
	TV terminal outlet M-type - 1M Single TV outlet - Dead-end. M type - 9,52 mm. male. For 75 Ω impedance coaxial cable. Avoid small bending radius. Frequency range: 5 - 2.400 Mhz. Connection loss: 1 dB. Isolation: >16 dB. Return loss: >7,6 dB. DC path (Vdc / mA / Tono): 34 max. / 500 max. / 22kHz - DiSEqC.		
White	**N2150.7 BL**	2CLA215070N1102	10
Silver	**N2150.7 PL**	2CLA215070N1302	10
Anthracite	**N2150.7 AN**	2CLA215070N1802	10
Champagne	**N2150.7 CV**	2CLA215070N1902	10
	TV terminal outlet M-type - 2M Single TV outlet - Dead-end. M type - 9,52 mm. male. For 75 Ω impedance coaxial cable. Avoid small bending radius. Frequency range: 5 - 2.400 Mhz. Connection loss: 1 dB. Isolation: >16 dB. Return loss: >7,6 dB. DC path (Vdc / mA / Tono): 34 max. / 500 max. / 22kHz - DiSEqC.		
White	**N2250.7 BL**	2CLA225070N1102	10
Silver	**N2250.7 PL**	2CLA225070N1302	10
Anthracite	**N2250.7 AN**	2CLA225070N1802	10
Champagne	**N2250.7 CV**	2CLA225070N1902	10

Telephone and fiber optic outlets

Color	Article-No.	Order-No.	Pack/Qty
	Telephone outlet RJ12 - 1M RJ12 type connector. 6 contacts. Suitable for 2, 4 or 6 contscts jack. Screw terminals.		
White	**N2117.6 BL**	2CLA211760N1102	20
Silver	**N2117.6 PL**	2CLA211760N1302	20
Anthracite	**N2117.6 AN**	2CLA211760N1802	20
Champagne	**N2117.6 CV**	2CLA211760N1902	20
	Telephone outlet RJ12 - 2M RJ12 type connector. 6 contacts. Suitable for 2, 4 or 6 contscts jack. Screw terminals.		
White	**N2217.6 BL**	2CLA221760N1102	10
Silver	**N2217.6 PL**	2CLA221760N1302	10
Anthracite	**N2217.6 AN**	2CLA221760N1802	10
Champagne	**N2217.6 CV**	2CLA221760N1902	10
	Telephone outlet Telebrás type - 2M Outlet for Telebrás type connectors Screw terminals.		
White	**N2217.1 BL**	2CLA221710N1102	5
Silver	**N2217.1 PL**	2CLA221710N1302	5
Anthracite	**N2217.1 AN**	2CLA221710N1802	5
Champagne	**N2217.1 CV**	2CLA221710N1902	5
	Fiber optic SC simplex adapter - 1M Insertion Loss (IL) <=0.3dB for SM and MM. Durability(500 Mating): 0.2dB max. increase. Withdrawal force (g/f): 100300. Operating temperature: -40° C to +85° C. Meet JIS C5974 and Bellcore GR-326 standard. Compliant with IEC874-14 & IEC874-19. All parts compliant with ROHS.		
White	**N2118.3 BL**	2CLA211830N1102	10
Silver	**N2118.3 PL**	2CLA211830N1302	10
Anthracite	**N2118.3 AN**	2CLA211830N1802	10
Champagne	**N2118.3 CV**	2CLA211830N1902	10

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Zenit
Data outlets

Color	Article-No.	Order-No.	Pack/Qty
	Cover plate for data outlet 1-gang - 1M Cover plate for one 201X.X connector or housing (codes: 2017.2, 2017.3, 2018.5, 2018.6, 2018 and 2018.8). With labeling area. Without shutter.		
White	**N2118.1 BL**	2CLA211810N1102	10
Silver	**N2118.1 PL**	2CLA211810N1302	10
Anthracite	**N2118.1 AN**	2CLA211810N1802	10
Champagne	**N2118.1 CV**	2CLA211810N1902	10
	Cover plate for data outlet 1-gang - 2M Cover plate for one 201X.X connector or housing (codes: 2017.2, 2017.3, 2018.5, 2018.6, 2018 and 2018.8). With labeling area. Without shutter.		
White	**N2218.1 BL**	2CLA221810N1102	10
Silver	**N2218.1 PL**	2CLA221810N1302	10
Anthracite	**N2218.1 AN**	2CLA221810N1802	10
Champagne	**N2218.1 CV**	2CLA221810N1902	10
	Cover plate for data outlet 2-gangs - 2M Cover plate for two 201X.X connectors and/or and housings (codes: 2017.2, 2017.3, 2018.5, 2018.6, 2018 and 2018.8). With labeling area. Without shutter.		
White	**N2218.2 BL**	2CLA221820N1102	10
Silver	**N2218.2 PL**	2CLA221820N1302	10
Anthracite	**N2218.2 AN**	2CLA221820N1802	10
Champagne	**N2218.2 CV**	2CLA221820N1902	10
	Telephone outlet RJ12 RJ12 type connector. 6 contacts. Suitable for 2 (6P2C), 4 (6P4C) or 6 (6P6C) RJ11 and RJ12 jacks. Screw terminals. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	2017.2	2CLA201720A1002	10
	Telephone outlet RJ45 Cat.3 RJ45 type connector. Cat.3. 8 contacts. Suitable for 8 (8P8C) RJ45 jacks. Tool-less wiring. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	2017.3	2CLA201730A1002	10

Product	Article-No.	Order-No.	Pack/Qty
	Data outlet RJ45 Cat.5e UTP RJ45 type connector. Cat.5e UTP. In compliance with ANSI/TIA/EIA 568B.2, ISO/IEC11801 & EN50173. Universal TIA/EIA 568A and 568B labeling. Housing: ABS UL-94-0. Durability: 750 cycles min. (ISO/IEC 11801, IEC 60603-7-4). IDC: PC UL94V-0, Accept 22-26AWG solid wire. Contact: RJ45 8P8C, 3~50 micro-inch gold plating over nickel plated on contact area. Tool-less wiring. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	2018.5	2CLA201850A1002	10
	Data outlet RJ45 Cat.6 UTP RJ45 type connector. Cat.6 UTP. In compliance with ANSI/TIA/EIA 568B.2, ISO/IEC11801 & EN50173. Universal TIA/EIA 568A and 568B labeling. Housing: ABS UL-94-0. Durability: 750 cycles min. (ISO/IEC 11801, IEC 60603-7-4). IDC: PC UL94V-0, Accept 22-26AWG solid wire. Contact: RJ45 8P8C, 3~50 micro-inch gold plating over nickel plated on contact area. Tool-less wiring. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	2018.6	2CLA201860A1002	10
	Data outlet RJ45 Cat.6A STP RJ45 type connector. Cat.6A STP. In compliance with ANSI/TIA/EIA 568B.2, ISO/IEC11801 & EN50173. Universal TIA/EIA 568A and 568B Labeling. 10Gb/sec. Durability: 750 cycles min. (ISO/IEC 11801, IEC 60603-7-4). Housing: Zinc Die-casting design for optimal EMI protection. Slim size is ideal for interfaces where the spaces are tight. IDC: PC UL94V-0, Accept 22-26AWG solid wire. Contact: RJ45 8P8C, 3~50 micro-inch gold plating over nickel plated on contact area. Tool-less wiring. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	2018.6 S	2CLA201862A1002	10
	Housing for data outlets - Keystone type Housing for connectors with Keystone type clipping system. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	2018	2CLA201800A1002	10
	Housing for data outlets - Systimax type Housing for connectors with Systimax type clipping system. To be installed with N2118.1, N2218.1 and N2218.2 cover plates.		
	2018.8	2CLA201880A1002	10

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Zenit
VDI outlets

Color	Article-No.	Order-No.	Pack/Qty
2x RCA connection unit - 1M Front: 2x RCA connectors (Red / White). Rear: screw terminals (4 wires).			
White	**N2155.2 BL**	2CLA215520N1102	1
Silver	**N2155.2 PL**	2CLA215520N1302	1
Anthracite	**N2155.2 AN**	2CLA215520N1802	1
Champagne	**N2155.2 CV**	2CLA215520N1902	1

Color	Article-No.	Order-No.	Pack/Qty
HDMI connection unit - 1M Front: 1x HDMI connector (Type A connector). Rear: screwless terminals (20 wires).			
White	**N2155.6 BL**	2CLA215560N1102	1
Silver	**N2155.6 PL**	2CLA215560N1302	1
Anthracite	**N2155.6 AN**	2CLA215560N1802	1
Champagne	**N2155.6 CV**	2CLA215560N1902	1

Color	Article-No.	Order-No.	Pack/Qty
3x RCA connection unit - 1M Front: 3x RCA connectors (Red / White / Yellow). Rear: screw terminals (6 wires).			
White	**N2155.3 BL**	2CLA215530N1102	1
Silver	**N2155.3 PL**	2CLA215530N1302	1
Anthracite	**N2155.3 AN**	2CLA215530N1802	1
Champagne	**N2155.3 CV**	2CLA215530N1902	1

Color	Article-No.	Order-No.	Pack/Qty
HDMI female-female connection unit - 1M Front: 1x HDMI connector (Type A connector). Rear: 1x HDMI connector (Type A connector) fitted at 90° angle.			
White	**N2155.7 BL**	2CLA215570N1102	1
Silver	**N2155.7 PL**	2CLA215570N1302	1
Anthracite	**N2155.7 AN**	2CLA215570N1802	1
Champagne	**N2155.7 CV**	2CLA215570N1902	1

Color	Article-No.	Order-No.	Pack/Qty
Mini-Jack connection unit - 1M Front: 1x Mini-Jack connector (3,5 mm. stereo audio jack). Rear: screw terminals (3/4 wires).			
White	**N2155.4 BL**	2CLA215540N1102	1
Silver	**N2155.4 PL**	2CLA215540N1302	1
Anthracite	**N2155.4 AN**	2CLA215540N1802	1
Champagne	**N2155.4 CV**	2CLA215540N1902	1

Color	Article-No.	Order-No.	Pack/Qty
USB connection unit - 1M Front: 1x USB 2.0 connector (Type A connector). Rear: screwless terminals (5 wires).			
White	**N2155.8 BL**	2CLA215580N1102	1
Silver	**N2155.8 PL**	2CLA215580N1302	1
Anthracite	**N2155.8 AN**	2CLA215580N1802	1
Champagne	**N2155.8 CV**	2CLA215580N1902	1

Color	Article-No.	Order-No.	Pack/Qty
VGA connection unit - 1M Front: 1x VGA connector (DE-15 connector). Rear: screw terminals (15 wires).			
White	**N2155.5 BL**	2CLA215550N1102	1
Silver	**N2155.5 PL**	2CLA215550N1302	1
Anthracite	**N2155.5 AN**	2CLA215550N1802	1
Champagne	**N2155.5 CV**	2CLA215550N1902	1

Color	Article-No.	Order-No.	Pack/Qty
USB female-female connection unit - 1M Front: 1x USB 2.0 connector (Type A connector). Rear: 1x USB 2.0 connector (Type A connector) fitted at 90° angle.			
White	**N2155.9 BL**	2CLA215590N1102	1
Silver	**N2155.9 PL**	2CLA215590N1302	1
Anthracite	**N2155.9 AN**	2CLA215590N1802	1
Champagne	**N2155.9 CV**	2CLA215590N1902	1

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Zenit
Light controls - Rotatory dimmers

Color	Article-No.	Order-No.	Pack/Qty
	Universal rotatory/push dimmer - 2M		
	Rated voltage: 230 Vac / 50 Hz.		
	Min. power: 60 W / VA.		
	Max. power:		
	- Incandescent: 500 W.		
	- Halogen lamp with electronic transformer: 500 VA.		
	- Halogen lamp with ferromagnetic transformer: 400 VA.		
	2 wire connection.		
	Optional: auxiliary control with N2X04.X push-buttons.		
	Indicator LED lamp included.		
	Operating temperature: 0° C to +30° C.		
White	**N2260.2 BL**	2CLA226020N1102	1
Silver	**N2260.2 PL**	2CLA226020N1302	1
Anthracite	**N2260.2 AN**	2CLA226020N1802	1
Champagne	**N2260.2 CV**	2CLA226020N1902	1

Color	Article-No.	Order-No.	Pack/Qty
	LED rotatory/push dimmer - 2M		
	Rated voltage: 230 Vac ± 10%.		
	Frequency: 50 Hz (Nominal power: 250 W/VA) / 60 Hz		
	(Nominal power: 200 W/VA).		
	Power (min./max load):		
	- LEDi: 2 / 100 W/VA (max. 10 lamps).		
	- Dimmable energy saving lamps:		
	2 / 100 W/VA (max. 10 lamps).		
	- LV LEDi with transformer (only type L or LC):		
	4 / 100 W/VA (max. 10 lamps).		
	- Incandescent lamps: 10 / 250 W/VA.		
	- Halogen lamps: 10 / 250 W/VA.		
	- LV halogen with transformer (only type L or LC):		
	10 / 250 W/VA (max. 10 lamps).		
	2 wire connection.		
	Optional: auxiliary on/off with 2-way switch N2X02.		
	Indicator LED lamp included.		
	Back-up fuse: Electronic.		
	Overload protection: Electronic.		
	Ambient temperature: 0° C to +35° C.		
White	**N2260.3 BL**	2CLA226030N1102	1
Silver	**N2260.3 PL**	2CLA226030N1302	1
Anthracite	**N2260.3 AN**	2CLA226030N1802	1
Champagne	**N2260.3 CV**	2CLA226030N1902	1

Color	Article-No.	Order-No.	Pack/Qty
	LED rotatory/push dimmer - 2M		
	Rated voltage: 127 Vac ± 10%.		
	Frequency: 50 / 60 Hz (Nominal power: 140 W / VA).		
	Power (min./max load):		
	- LEDi: 2 / 55 W/VA (max. 10 lamps).		
	- Dimmable energy saving lamps:		
	2 / 55 W/VA (max. 10 lamps).		
	- LV LEDi with transformer (only type L or LC):		
	4 / 55 W/VA (max. 10 lamps).		
	- Incandescent lamps: 10 / 140 W/VA.		
	- Halogen lamps: 10 / 140 W/VA.		
	- LV halogen with transformer (only type L or LC):		
	10 / 140 W/VA (max. 10 lamps).		
	2 wire connection.		
	Optional: auxiliary on/off with 2-way switch N2X02.		
	Indicator LED lamp included.		
	Back-up fuse: Electronic.		
	Overload protection: Electronic.		
	Ambient temperature: 0° C to +35° C.		
White	**N2260.8 BL**	2CLA226080N1102	1
Silver	**N2260.8 PL**	2CLA226080N1302	1
Anthracite	**N2260.8 AN**	2CLA226080N1802	1
Champagne	**N2260.8 CV**	2CLA226080N1902	1

Color	Article-No.	Order-No.	Pack/Qty
	1-10V rotary dimmer - 2M		
	Rated voltage: 127 - 230 Vac / 50 - 60 Hz		
	Dimmable electronic ballast/driver with 1-10V control		
	input.		
	Max. power:		
	- 230 Vac: 700 VA.		
	- 127 Vac: 350 VA.		
	Max. 6 ballasts per device.		
	Indicator LED lamp included.		
White	**N2260.9 BL**	2CLA226090N1102	1
Silver	**N2260.9 PL**	2CLA226090N1302	1
Anthracite	**N2260.9 AN**	2CLA226090N1802	1
Champagne	**N2260.9 CV**	2CLA226090N1902	1

Zenit

Light controls - Push-button dimmers

Color	Article-No.	Order-No.	Pack/Qty
Universal push dimmer - 2M Rated voltage: 127 - 230 Vac / 50 - 60 Hz. Max. Power (230 Vac / 127 Vac): - Incandescent: 450 / 250 W. - Halogen with transformer: 400 / 250 VA. 2 wire connection. Optional: auxiliary control with N2X04.X push-buttons. Overcurrent protection: with fuse. Indicator LED lamp included. Operating temperature: 0° C to +30° C.			
White	**N2260 BL**	2CLA226000N1102	1
Silver	**N2260 PL**	2CLA226000N1302	1
Anthracite	**N2260 AN**	2CLA226000N1802	1
Champagne	**N2260 CV**	2CLA226000N1902	1

Color	Article-No.	Order-No.	Pack/Qty
Universal push dimmer - 2M Rated voltage: 230 Vac / 50 Hz. Min. power: 60 W / VA. Max. power: - Incandescent: 500 W. - Halogen lamp with electronic transformer: 500 VA. - Halogen lamp with ferromagnetic transformer: 400 VA. 2 wire connection. Optional: auxiliary control with N2X04.X push-buttons. Indicator LED lamp included. Operating temperature: 0° C to +30° C.			
White	**N2260.1 BL**	2CLA226010N1102	1
Silver	**N2260.1 PL**	2CLA226010N1302	1
Anthracite	**N2260.1 AN**	2CLA226010N1802	1
Champagne	**N2260.1 CV**	2CLA226010N1902	1

Light controls - Motion sensors

Color	Article-No.	Order-No.	Pack/Qty
110° motion sensor - 2M Rated voltage: 127 - 230 Vac ± 10% / 50 - 60 Hz Outputs: 1 Normally Open (NO). Potential free Max. power: - Incandescent: 1.800W @230Vac / 1.000W @127Vac - Halogen with electronic o ferromagnetic transformer: 750VA @230Vac / 400VA @127Vac - Fluorescent lamps or motors: 400VA @230Vac / 200VA @127Vac For automatic switching of devices dependent on motion and brightness. With integrated selector switch for ON-AUTOMATIC-OFF in the front side. Switch-off delay: 10 sec to 10 min or short-time pulse 1 sec adjustable (from the front side). Detection range: 5 m radious Adjustable light set point level for activation (from the front side). Detection angle: 110 ° Mounting height: 1,2 m Auxiliary control with N2X04.X push-buttons Temperature range (Device): -10 °C to 40 °C			
White	**N2241 BL**	2CLA224100N1102	1
Silver	**N2241 PL**	2CLA224100N1302	1
Anthracite	**N2241 AN**	2CLA224100N1802	1
Champagne	**N2241 CV**	2CLA224100N1902	1

Light controls - Time delay switches

Color	Article-No.	Order-No.	Pack/Qty
Time delayed switch - 2M Rated voltage: 230 Vac / 50 Hz. Power: - Incandescent: 40 - 500 W. - Halogen with transformer: 40 - 400 VA. - Motors: 40 - 100 VA. 2 wire connection. Delay setup: 10 sec. to 10 min. Overcurrent protection: with fuse. Indicator LED lamp included. Operating temperature: 0° C to +40° C.			
White	**N2262.1 BL**	2CLA226210N1102	1
Silver	**N2262.1 PL**	2CLA226210N1302	1
Anthracite	**N2262.1 AN**	2CLA226210N1802	1
Champagne	**N2262.1 CV**	2CLA226210N1902	1

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Zenit

Temperature controls - RTC

Color	Article-No.	Order-No.	Pack/Qty
	Rotary thermostat with floor sensor - 2M Rated voltage: 230 Vac ±10% / 50-60 Hz. Load power: 2.300 W. Load type: floor heating resistor. Control temperature: +5°C to +45°C (Set point). OFF state: at OFF position, the thermostat is off, so that it does not address the temperature measured by the floor temperature probe. The relay output contact is open. Temperature accuracy: 0,5° C. Hysteresis: 0,5° C. Floor temperature sensor: NTC, 10 KΩ at 25° C, -40° C. to 80° C. Double isolated cable, 4 m. length. LED light indication: Red and green. Ambient temperature: -20° C to 45° C.		
White	**N2240.3 BL**	2CLA224030N1102	1
Silver	**N2240.3 PL**	2CLA224030N1302	1
Anthracite	**N2240.3 AN**	2CLA224030N1802	1
Champagne	**N2240.3 CV**	2CLA224030N1902	1

Color	Article-No.	Order-No.	Pack/Qty
	Digital room thermostat - 2M Rated voltage: 230 Vac / 50-60 Hz. Power consumption: < 1W. Operating temperature range: + 0° C to 50° C. Measurement accuracy: ±2° C (±1° C with calibration). Resolution: 0.1° C. Control output: Potential-free relay contacts Normally Open (NO). Maximum load: 3A cos = 0,5. Output relay operation modes: - Hysteresis: 0.5° C. - Pulse-width modulation: with a ±4°C difference with the set-point temperature, variable from 100% to 0% modulation. To be installed with N2240.5 cover plates.		
	8140.5	2CLA814050A1002	1

Color	Article-No.	Order-No.	Pack/Qty
	Cover plate for digital thermostat- 2M Cover plate for digital room thermostat code 8140.5.		
White	**N2240.5 BL**	2CLA224050N1102	5
Silver	**N2240.5 PL**	2CLA224050N1302	5
Anthracite	**N2240.5 AN**	2CLA224050N1802	5
Champagne	**N2240.5 CV**	2CLA224050N1902	5

Temperature controls - Fan regulators

Color	Article-No.	Order-No.	Pack/Qty
	Rotatory 3-speed fan control - 2M Rated voltage: 127 Vac / 60 Hz. Rated current: 1,5 A. Load type: ceiling fan. 4 control positions: - 0: Off. - I: On maximum speed. - II: On medium speed. - III: On low speed. Ambient temperature: 0° C to 40° C.		
White	**N2254.1 BL**	2CLA225410N1102	1
Silver	**N2254.1 PL**	2CLA225410N1302	1
Anthracite	**N2254.1 AN**	2CLA225410N1802	1
Champagne	**N2254.1 CV**	2CLA225410N1902	1

Zenit
Signaling and lighting systems

Color	Article-No.	Order-No.	Pack/Qty
	LED white signaling light - 1M Rated voltage: 127-230 Vac / 50-60 Hz. Lamp: white LED. Luminous flux: > 2 lumen at 1 meter. White diffuser.		
White	**N2180 BL**	2CLA218000N1102	5
	LED warm white signaling light - 1M Rated voltage: 127-230 Vac / 50-60 Hz. Lamp: white LED. 2.700 Kelvin. Low luminous flux: < 0,5 lumen at 0,3 meter. White diffuser.		
White	**N2180.1 BL**	2CLA218010N1102	5
	LED signaling light - 2M Rated voltage: 127-230 Vac / 50-60 Hz. Lamp: white LED. Luminous flux: > 2 lumen at 1 meter. White diffuser.		
White	**N2280 BL**	2CLA228000N1102	1
	LED DND/MUR signaling light - 2M Rated voltage: 127-230 Vac / 50-60 Hz. Lamp: red/green LED. Luminous flux: > 2 lumen at 1 meter. White diffuser.		
White	**N2280.2 RJ/VD**	2CLA228020N1102	1
	Beacon LED light - 2M Rated voltage: 230 Vac / 50 Hz. Lamp: white LED. Luminous flux: > 2 lumen at 1 meter. White diffuser. Autonomy: 3 hours (1 hour at maximum illumination 2 hours with lower illumination). Battery: Ni-MH (estimated lifetime: 4 years).		
White	**N2281 BL**	2CLA228100N1102	1
	Labels for signaling / beacon lights - 2M Labels with symbols for signaling and beacon lights code: N2280, N2280.2 & N2281. Symbols: "WC men", "WC women", "No smoking", "Direction", "WC handic.", "WC", "Salida" and no symbol label.		
	N2281.1	2CLA228110N1002	5

Color	Article-No.	Order-No.	Pack/Qty
	LED red signaling light - 1M Rated voltage: 127-230 Vac / 50-60 Hz. Lamp: white LED. Luminous flux: > 2 lumen at 1 meter. Red diffuser.		
Red	**N2180 RJ**	2CLA218000N1602	5
	LED red signaling light - 1M Rated voltage: 127-230 Vac / 50-60 Hz. Lamp: white LED. Luminous flux: > 2 lumen at 1 meter. Green diffuser.		
Green	**N2180 VD**	2CLA218000N1802	5
	LED DND signaling light - 1M Rated voltage: 127-230 Vac / 50-60 Hz. Lamp: white LED. Luminous flux: > 2 lumen at 1 meter. Red diffuser. Do Not Disturb (DND) symbol. To be controlled with N2244.5 DND/MUR 2-gang interlocked switch.		
White	**N2180.4 BL**	2CLA218040N1102	5
Silver	**N2180.4 PL**	2CLA218040N1302	5
Anthracite	**N2180.4 AN**	2CLA218040N1802	5
Champagne	**N2180.4 CV**	2CLA218040N1902	5
	LED MUR signaling light - 1M Rated voltage: 127-230 Vac / 50-60 Hz. Lamp: white LED. Luminous flux: > 2 lumen at 1 meter. Green diffuser. Make Up Room (MUR) symbol. To be controlled with N2244.5 DND/MUR 2-gang interlocked switch.		
White	**N2180.5 BL**	2CLA218050N1102	5
Silver	**N2180.5 PL**	2CLA218050N1302	5
Anthracite	**N2180.5 AN**	2CLA218050N1802	5
Champagne	**N2180.5 CV**	2CLA218050N1902	5
	DND/MUR 2-gang interlocked switch - 2M Rated voltage: 110 - 250 Vac. Rated current: 16 AX. Interlocked gangs. Gang 1: Make Up Room (MUR) green symbol. Gang 2: Do Not Disturb (DND) red symbol. To control N2180.4 & N2180.5 DND/MUR signaling lights.		
White	**N2244.5 BL**	2CLA224450N1102	5
Silver	**N2244.5 PL**	2CLA224450N1302	5
Anthracite	**N2244.5 AN**	2CLA224450N1802	5
Champagne	**N2244.5 CV**	2CLA224450N1902	5

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Zenit

Buzzer / Door bell

Color	Article-No.	Order-No.	Pack/Qty
Buzzer - 1M			
Rated voltage: 127-230 Vac / 50-60 Hz. Rated power: 8 VA. Adjustable tone. Acoustic power at 1 meter with cover plate: 75 dB.			
White	**N2119 BL**	2CLA211900N1102	10
Silver	**N2119 PL**	2CLA211900N1302	10
Anthracite	**N2119 AN**	2CLA211900N1802	10
Champagne	**N2119 CV**	2CLA211900N1902	10
Buzzer - 2M			
Rated voltage: 127-230 Vac / 50-60 Hz. Rated power: 8 VA. Adjustable tone. Acoustic power at 1 meter with cover plate: 75 dB.			
White	**N2219 BL**	2CLA221900N1102	10
Silver	**N2219 PL**	2CLA221900N1302	10
Anthracite	**N2219 AN**	2CLA221900N1802	10
Champagne	**N2219 CV**	2CLA221900N1902	10
Electronic door bell 230 Vac - 2M			
Rated voltage: 230 Vac / 50-60 Hz. 4 melodies available. Acoustic power at 1 meter with cover plate: 72 dB.			
White	**N2224 BL**	2CLA222400N1102	1
Silver	**N2224 PL**	2CLA222400N1302	1
Anthracite	**N2224 AN**	2CLA222400N1802	1
Champagne	**N2224 CV**	2CLA222400N1902	1
Electronic door bell 127 Vac - 2M			
Rated voltage: 127 Vac / 60 Hz. 4 melodies available. Acoustic power at 1 meter with cover plate: 72 dB.			
White	**N2224.1 BL**	2CLA222410N1102	1
Silver	**N2224.1 PL**	2CLA222410N1302	1
Anthracite	**N2224.1 AN**	2CLA222410N1802	1
Champagne	**N2224.1 CV**	2CLA222410N1902	1

Blank covers / Cable outlets

Color	Article-No.	Order-No.	Pack/Qty
Blank cover plate - 1M			
Blank cover plate for spare spaces. Size: 1 module.			
White	**N2100 BL**	2CLA210000N1102	10
Silver	**N2100 PL**	2CLA210000N1302	10
Anthracite	**N2100 AN**	2CLA210000N1802	10
Champagne	**N2100 CV**	2CLA210000N1902	10
Blank cover plate - 2M			
Blank cover plate for spare spaces. Size: 2 modules.			
White	**N2200 BL**	2CLA220000N1102	20
Silver	**N2200 PL**	2CLA220000N1302	20
Anthracite	**N2200 AN**	2CLA220000N1802	20
Champagne	**N2200 CV**	2CLA220000N1902	20
Cable outlet - 1M			
Maximum cable diameter: 6 mm. Cable tie included.			
White	**N2107 BL**	2CLA210700N1102	10
Silver	**N2107 PL**	2CLA210700N1302	10
Anthracite	**N2107 AN**	2CLA210700N1802	10
Champagne	**N2107 CV**	2CLA210700N1902	10
Cable outlet - 2M			
Maximum cable diameter: 6 mm. Cable tie included.			
White	**N2207 BL**	2CLA220700N1102	10
Silver	**N2207 PL**	2CLA220700N1302	10
Anthracite	**N2207 AN**	2CLA220700N1802	10
Champagne	**N2207 CV**	2CLA220700N1902	10

Zenit

Frames for European square boxes

01

Standard frame

Basic frame

02
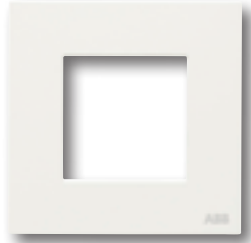
03

04

05
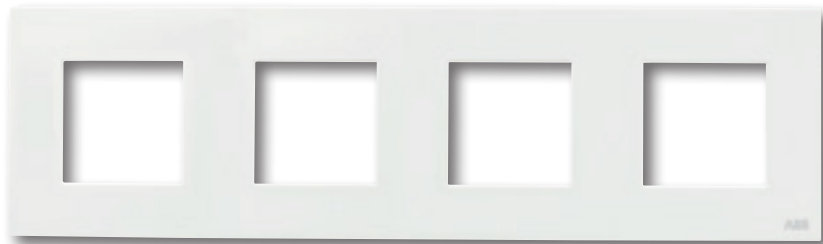
06

1 to 5gang cover frame for horizontal and vertical installation

01 Side view, 7,5 x 85 mm.	
02 Frame 2 modules, 85 x 85 mm.	
03 Frame 2 + 2 modules, 156 x 85 mm.	
04 Frame 2 + 2 + 2 modules, 227 x 85 mm.	
05 Frame 2 + 2 + 2 + 2 modules, 298 x 85 mm.	
06 Frame 2 + 2 + 2 + 2 + 2 modules, 369 x 85 mm.	

Zenit

Frames for European square boxes

BL

CB

CP

PL

CN

CC

AN

CF

OX

CV

CH

WG

Zenit	**Zenit Noble**	**CC** Coffee Glass
BL White	**CB** White Glass	**OX** Stainless Steel
PL Silver	**CN** Black Glass	**WG** Wenge
AN Anthracite	**CF** Graphite Glass	**PZ** Slate
CV Champagne	**CH** Champagne Glass	
	CP Pearl Glass	

PZ

Zenit - Frames for European boxes

White - Basic

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Basic - White Color: White Size (height x width): - 1-gang: 85 x 85 mm. - 2-gang: 85 x 156 mm. - 3-gang: 85 x 227 mm. - 4-gang: 85 x 298 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	1	**N2171.1 BL**	2CLA217110N1102	20
1-gang	2	**N2271.1 BL**	2CLA227110N1102	20
2-gang	2+2	**N2272.1 BL**	2CLA227210N1102	10
3-gang	2+2+2	**N2273.1 BL**	2CLA227310N1102	5
4-gang	2+2+2+2	**N2274.1 BL**	2CLA227410N1102	5

Silver - Basic

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Basic - Silver Color: Silver Size (height x width): - 1-gang: 85 x 85 mm. - 2-gang: 85 x 156 mm. - 3-gang: 85 x 227 mm. - 4-gang: 85 x 298 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271.1 PL**	2CLA227110N1302	20
2-gang	2+2	**N2272.1 PL**	2CLA227210N1302	10
3-gang	2+2+2	**N2273.1 PL**	2CLA227310N1302	5
4-gang	2+2+2+2	**N2274.1 PL**	2CLA227410N1302	5

Anthracite - Basic

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Basic - Anthracite Color: Anthracite Size (height x width): - 1-gang: 85 x 85 mm. - 2-gang: 85 x 156 mm. - 3-gang: 85 x 227 mm. - 4-gang: 85 x 298 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271.1 AN**	2CLA227110N1802	20
2-gang	2+2	**N2272.1 AN**	2CLA227210N1802	10
3-gang	2+2+2	**N2273.1 AN**	2CLA227310N1802	5
4-gang	2+2+2+2	**N2274.1 AN**	2CLA227410N1802	5

Champagne - Basic

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Basic - Champagne Color: Champagne Size (height x width): - 1-gang: 85 x 85 mm. - 2-gang: 85 x 156 mm. - 3-gang: 85 x 227 mm. - 4-gang: 85 x 298 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271.1 CV**	2CLA227110N1902	20
2-gang	2+2	**N2272.1 CV**	2CLA227210N1902	10
3-gang	2+2+2	**N2273.1 CV**	2CLA227310N1902	5
4-gang	2+2+2+2	**N2274.1 CV**	2CLA227410N1902	5

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Zenit - Frames for European boxes

White

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 5-gang - White Color: White Size (height x width): - 1-gang: 85 x 85 mm. - 2-gang: 85 x 156 mm. - 3-gang: 85 x 227 mm. - 4-gang: 85 x 298 mm. - 5-gang: 85 x 369 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	1	**N2171 BL**	2CLA217100N1102	20
1-gang	2	**N2271 BL**	2CLA227100N1102	20
2-gang	2+2	**N2272 BL**	2CLA227200N1102	10
3-gang	2+2+2	**N2273 BL**	2CLA227300N1102	5
4-gang	2+2+2+2	**N2274 BL**	2CLA227400N1102	5
5-gang	2+2+2+2+2	**N2275 BL**	2CLA227500N1102	5

Silver

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 5-gang - Silver Color: Silver Size (height x width): - 1-gang: 85 x 85 mm. - 2-gang: 85 x 156 mm. - 3-gang: 85 x 227 mm. - 4-gang: 85 x 298 mm. - 5-gang: 85 x 369 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 PL**	2CLA227100N1302	20
2-gang	2+2	**N2272 PL**	2CLA227200N1302	10
3-gang	2+2+2	**N2273 PL**	2CLA227300N1302	5
4-gang	2+2+2+2	**N2274 PL**	2CLA227400N1302	5
5-gang	2+2+2+2+2	**N2275 PL**	2CLA227500N1302	5

Anthracite

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 5-gang - Anthracite Color: Anthracite Size (height x width): - 1-gang: 85 x 85 mm. - 2-gang: 85 x 156 mm. - 3-gang: 85 x 227 mm. - 4-gang: 85 x 298 mm. - 5-gang: 85 x 369 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 AN**	2CLA227100N1802	20
2-gang	2+2	**N2272 AN**	2CLA227200N1802	10
3-gang	2+2+2	**N2273 AN**	2CLA227300N1802	5
4-gang	2+2+2+2	**N2274 AN**	2CLA227400N1802	5
5-gang	2+2+2+2+2	**N2275 AN**	2CLA227500N1802	5

Champagne

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 5-gang - Champagne Color: Champagne Size (height x width): - 1-gang: 85 x 85 mm. - 2-gang: 85 x 156 mm. - 3-gang: 85 x 227 mm. - 4-gang: 85 x 298 mm. - 5-gang: 85 x 369 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 CV**	2CLA227100N1902	20
2-gang	2+2	**N2272 CV**	2CLA227200N1902	10
3-gang	2+2+2	**N2273 CV**	2CLA227300N1902	5
4-gang	2+2+2+2	**N2274 CV**	2CLA227400N1902	5
5-gang	2+2+2+2+2	**N2275 CV**	2CLA227500N1902	5

Zenit - Frames for European boxes

White Glass

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - White Glass Color: White Glass. Material: glass Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 CB**	2CLA227100N3002	1
2-gang	2+2	**N2272 CB**	2CLA227200N3002	1
3-gang	2+2+2	**N2273 CB**	2CLA227300N3002	1
4-gang	2+2+2+2	**N2274 CB**	2CLA227400N3002	1

Coffee Glass

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - Coffee Glass Color: Coffee Glass. Material: glass Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 CC**	2CLA227100N3702	1
2-gang	2+2	**N2272 CC**	2CLA227200N3702	1
3-gang	2+2+2	**N2273 CC**	2CLA227300N3702	1
4-gang	2+2+2+2	**N2274 CC**	2CLA227400N3702	1

Black Glass

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - Black Glass Color: Black Glass. Material: glass Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 CN**	2CLA227100N3102	1
2-gang	2+2	**N2272 CN**	2CLA227200N3102	1
3-gang	2+2+2	**N2273 CN**	2CLA227300N3102	1
4-gang	2+2+2+2	**N2274 CN**	2CLA227400N3102	1

Graphite Glass

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - Graphite Glass Color: Graphite Glass. Material: glass Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.99 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 CF**	2CLA227100N3802	1
2-gang	2+2	**N2272 CF**	2CLA227200N3802	1
3-gang	2+2+2	**N2273 CF**	2CLA227300N3802	1
4-gang	2+2+2+2	**N2274 CF**	2CLA227400N3802	1

Pearl Glass

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - Pearl Glass Color: Pearl Glass. Material: glass Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 CP**	2CLA227100N3502	1
2-gang	2+2	**N2272 CP**	2CLA227200N3502	1
3-gang	2+2+2	**N2273 CP**	2CLA227300N3502	1
4-gang	2+2+2+2	**N2274 CP**	2CLA227400N3502	1

Champagne Glass

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - Champagne Glass Color: Champagne Glass Material: glass Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 CH**	2CLA227100N3902	1
2-gang	2+2	**N2272 CH**	2CLA227200N3902	1
3-gang	2+2+2	**N2273 CH**	2CLA227300N3902	1
4-gang	2+2+2+2	**N2274 CH**	2CLA227400N3902	1

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Zenit - Frames for European boxes
Slate

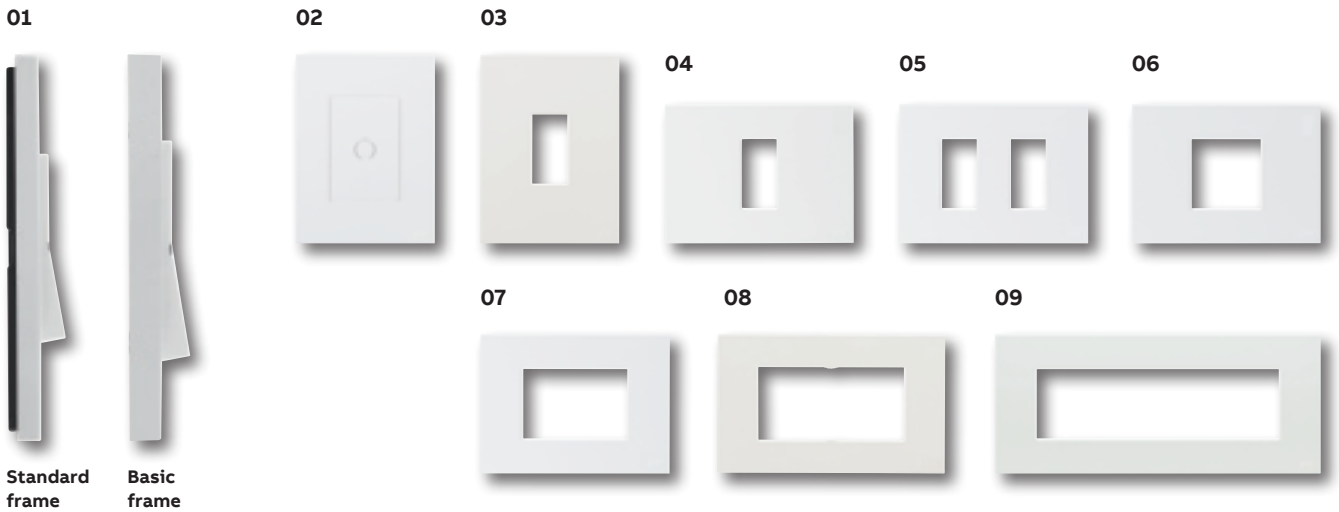| Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - Slate Color: Slate Material: slate Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 PZ**	2CLA227100N2202	1
2-gang	2+2	**N2272 PZ**	2CLA227200N2202	1
3-gang	2+2+2	**N2273 PZ**	2CLA227300N2202	1
4-gang	2+2+2+2	**N2274 PZ**	2CLA227400N2202	1

Stainless Steel

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - Stainless Steel Color: Stainless Steel Material: stainless steel Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 OX**	2CLA227100N4002	1
2-gang	2+2	**N2272 OX**	2CLA227200N4002	1
3-gang	2+2+2	**N2273 OX**	2CLA227300N4002	1
4-gang	2+2+2+2	**N2274 OX**	2CLA227400N4002	1

Wenge

Gangs	Modularity	Article-No.	Order-No.	Pack/Qty
		Frames 1 to 4-gang - Noble - Wenge Color: Wenge Material: wood Size (height x width): - 1-gang: 90 x 90 mm. - 2-gang: 90 x 161 mm. - 3-gang: 90 x 232 mm. - 4-gang: 90 x 303 mm. Mounting grid code suitable for 60 mm. screw distance boxes: N2271.9, N2271.9G & N2272.9 Flush mounting boxes code: 1099, 1999 & 1999.2 Surface mounting boxes code: 8591, 8592 & 8593		
1-gang	2	**N2271 WG**	2CLA227100N2102	1
2-gang	2+2	**N2272 WG**	2CLA227200N2102	1
3-gang	2+2+2	**N2273 WG**	2CLA227300N2102	1
4-gang	2+2+2+2	**N2274 WG**	2CLA227400N2102	1

Zenit
Frames for rectangular boxes

01

Standard frame   **Basic frame**

02   **03**   **04**   **05**   **06**

07   **08**   **09**

10   **11**   **12**

13   **14**

1 to 7 modules cover frame
for horizontal and vertical installation

01	Side view, 7,5 x 85 mm
02	Frame blank for 3 modules box
03	Frame 1 module vertical for 3 modules box
04	Frame 1 module for 3 modules box
05	Frame 1 + 1 modules for 3 modules box
06	Frame 2 modules for 3 modules box
07	Frame 3 modules for 3 modules box
08	Frame 4 modules for 4 modules box
09	Frame 7 modules for 7 modules box
10	Frame blank for 4" x 4" box
11	Frame 1 + 1 modules for 4" x 4" box
12	Frame 2 + 2 modules for 4" x 4" box
13	Frame 1 + 1 + 1 + 1 modules for 4" x 4" box
14	Frame 3 + 3 modules for 4" x 4" box
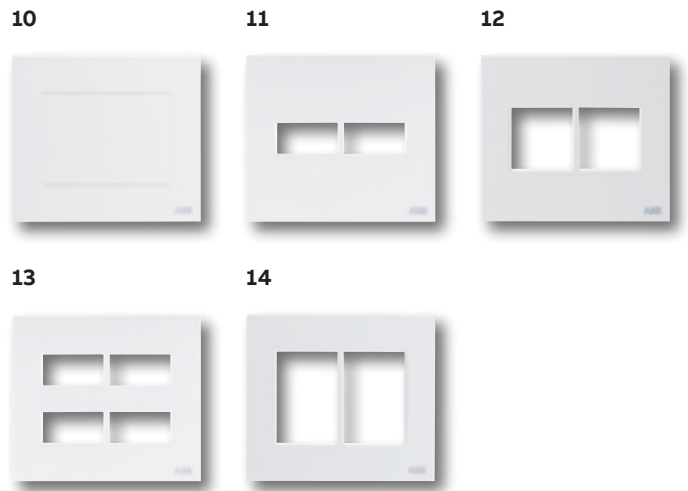
Frames for NEMA inserts, 3 modules in square box,
metallic and plastic profiles and DIN-rail

15	Frame 1-gang for NEMA inserts
16	Frame 1-gang / 3 modules for square box
17	Frame 1-gang / 1 module for metallic and plastic profiles
18	Frame 2-gang / 1 + 1 modules for metallic and plastic profiles
19	Frame 1-gang / 2 modules for metallic and plastic profiles
20	Adaptor 1-gang / 2 modules for DIN-rail

18

15

17   **19**

16   **20**

Zenit
Frames for rectangular boxes

BL

CB

SI

PL

CN

ON

AN

OX

MG

CV

BN

BR

WG

NT

PZ

AL

Zenit		Zenit Metallic	
BL White		**BN** Snow White	
PL Silver		**NT** Touch Black	
AN Anthracite		**AL** Polished Steel	
CV Champagne		**SI** Silicium	
		ON Onyx	
Zenit Noble		**MG** Magnesium	
WG Wenge		**BR** Bronze	
PZ Slate			
CB White Glass			
CN Black Glass			
OX Stainless Steel			

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Zenit - Frames for 3 module boxes

White

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - Blank to 3 modules - White Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
Blank	**N2370.1 BL**	2CLA237010N1102	10
1 module	**N2371.1 BL**	2CLA237110N1102	10
1 module V	**N2371.1V BL**	2CLA237190N1102	10
2 modules	**N2372.1 BL**	2CLA237210N1102	10
1+1 modules	**N2372.2 BL**	2CLA237220N1102	10
3 modules	**N2373.1 BL**	2CLA237310N1102	10

Champagne

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - Blank to 3 modules - Champagne Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
Blank	**N2370.1 CV**	2CLA237010N1902	10
1 module	**N2371.1 CV**	2CLA237110N1902	10
1 module V	**N2371.1V CV**	2CLA237190N1902	10
2 modules	**N2372.1 CV**	2CLA237210N1902	10
1+1 modules	**N2372.2 CV**	2CLA237220N1902	20
3 modules	**N2373.1 CV**	2CLA237310N1902	10

Silver

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - Blank to 3 modules - Silver Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
Blank	**N2370.1 PL**	2CLA237010N1302	10
1 module	**N2371.1 PL**	2CLA237110N1302	20
1 module V	**N2371.1V PL**	2CLA237190N1302	10
2 modules	**N2372.1 PL**	2CLA237210N1302	20
1+1 modules	**N2372.2 PL**	2CLA237220N1302	10
3 modules	**N2373.1 PL**	2CLA237310N1302	10

White Glass

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 2 and 3 modules - Noble - White Glass Material: glass Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
2 modules	**N2372.1 CB**	2CLA237210N3002	2
3 modules	**N2373.1 CB**	2CLA237310N3002	2

Anthracite

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - Blank to 3 modules - Anthracite Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
Blank	**N2370.1 AN**	2CLA237010N1802	20
1 module	**N2371.1 AN**	2CLA237110N1802	10
1 module V	**N2371.1V AN**	2CLA237190N1802	10
2 modules	**N2372.1 AN**	2CLA237210N1802	10
1+1 modules	**N2372.2 AN**	2CLA237220N1802	10
3 modules	**N2373.1 AN**	2CLA237310N1802	20

Black Glass

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 2 and 3 modules - Noble - Black Glass Material: glass Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
2 modules	**N2372.1 CN**	2CLA237210N3102	2
3 modules	**N2373.1 CN**	2CLA237310N3102	2

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Zenit - Frames for 3 module boxes

Slate

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 2 and 3 modules - Noble - Slate Material: slate Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
2 modules	**N2372.1 PZ**	2CLA237210N2202	2
3 modules	**N2373.1 PZ**	2CLA237310N2202	2

Stainless Steel

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 2 and 3 modules - Noble - Stainless Steel Material: stainless steel Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
2 modules	**N2372.1 OX**	2CLA237210N4002	2
3 modules	**N2373.1 OX**	2CLA237310N4002	2

Wenge

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 2 and 3 modules - Noble - Wenge Material: wood Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
2 modules	**N2372.1 WG**	2CLA237210N2102	2
3 modules	**N2373.1 WG**	2CLA237310N2102	2

Snow White

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules - Metal - Snow White Material: zamak Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
3 modules	**N2373.1 BN**	2CLA237300N5102	2

Touch Black

	Frames - 3 modules - Metal - Touch Black Material: zamak Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
3 modules	**N2373.1 NT**	2CLA237300N5502	2

Polished Steel

	Frames - 3 modules - Metal - Polished Steel Material: zamak Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
3 modules	**N2373.1 AL**	2CLA237310N5202	2

Zenit - Frames for 3 module boxes
Onyx

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules - Metal - Onyx Material: anodized aluminum Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
3 modules	**N2373.1 ON**	2CLA237310N4102	2

Bronze

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules - Metal - Bronze Material: anodized aluminum Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
3 modules	**N2373.1 BR**	2CLA237310N4402	2

Magnesium

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules - Metal - Magnesium Material: anodized aluminum Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
3 modules	**N2373.1 MG**	2CLA237310N4302	2

Silicium

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules - Metal - Silicium Material: anodized aluminum Size (height x width): 122 x 90 mm. Mounting plate code suitable for 83,5 mm. screw distance boxes: N2371.9 & N2373.9. Frame and mounting plate also suitable for 3 module Italian type boxes, 4"x2" boxes and American boxes. Flush mounting boxes code: 499.3 Surface mounting boxes code: N2993		
3 modules	**N2373.1 SI**	2CLA237310N4202	2

Zenit - Frames for 4 module boxes
White

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - White Size (height x width): 139 x 85 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Frame and mounting plate also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 BL**	2CLA237410N1102	10

Silver

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - Silver Size (height x width): 139 x 85 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 PL**	2CLA237410N1302	10

Anthracite

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - Anthracite Size (height x width): 139 x 85 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Frame and mounting plate also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 AN**	2CLA237410N1802	10

Champagne

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - Champagne Size (height x width): 139 x 85 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Frame and mounting plate also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 CV**	2CLA237410N1902	10

White Glass

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - Noble - White Glass Material: glass Size (height x width): 142 x 90 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Frame and mounting plate also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 CB**	2CLA237400N3002	10

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Zenit - Frames for 4 module boxes
Black Glass

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - Noble - Black Glass Material: glass Size (height x width): 142 x 90 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Frame and mounting plate also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 CN**	2CLA237400N3102	2

Slate

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - Noble - Slate Material: slate Size (height x width): 142 x 90 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Frame and mounting plate also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 PZ**	2CLA237400N2202	2

Stainless Steel

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - Noble - Stainless Steel Material: slate Size (height x width): 142 x 90 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Frame and mounting plate also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 OX**	2CLA237400N4002	2

Wenge

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 4 modules - Noble - Wenge Material: wood Size (height x width): 142 x 90 mm Mounting plate code suitable for 107 mm screw distance boxes: N2374.9. Frame and mounting plate also suitable for 4 module Italian type boxes. Flush mounting boxes code: 1499.4 Surface mounting boxes code: N2994		
4 modules	**N2374.1 WG**	2CLA237410N2102	2

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Zenit - Frames for 7 module boxes
White

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 7 modules Size (height x width): 205 x 85 mm Mounting plate code suitable for 100 mm screw distance 7 module boxes: N2777.9. Flush mounting boxes code: 1499.7		
7 modules	**N2777.1 BL**	2CLA277710N1102	5

Silver

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 7 modules Size (height x width): 205 x 85 mm Mounting plate code suitable for 100 mm screw distance 7 module boxes: N2777.9. Flush mounting boxes code: 1499.7		
Silver	**N2777.1 PL**	2CLA277710N1302	5

Anthracite

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 7 modules Size (height x width): 205 x 85 mm Mounting plate code suitable for 100 mm screw distance 7 module boxes: N2777.9. Flush mounting boxes code: 1499.7		
Anthracite	**N2777.1 AN**	2CLA277710N1802	5

Champagne

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 7 modules Size (height x width): 205 x 85 mm Mounting plate code suitable for 100 mm screw distance 7 module boxes: N2777.9. Flush mounting boxes code: 1499.7		
Champagne	**N2777.1 CV**	2CLA277710N1902	5

Zenit - Frames for 4" x 4" boxes

White

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - Blank to 6 modules - White Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
Blank	**N2670 BL**	2CLA267000N1102	5
1+1 modules	**N2671.1 BL**	2CLA267110N1102	5
2+2 modules	**N2672.2 BL**	2CLA267220N1102	5
1+1+1+1 modules	**N2672.4 BL**	2CLA267240N1102	5
3+3 modules	**N2673.6 BL**	2CLA267360N1102	5

Silver

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - Blank to 6 modules - Silver Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
Blank	**N2670 PL**	2CLA267000N1302	5
1+1 modules	**N2671.1 PL**	2CLA267110N1302	5
2+2 modules	**N2672.2 PL**	2CLA267220N1302	5
1+1+1+1 modules	**N2672.4 PL**	2CLA267240N1302	5
3+3 modules	**N2673.6 PL**	2CLA267360N1302	5

Anthracite

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - Blank to 6 modules - Anthracite Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
Blank	**N2670 AN**	2CLA267000N1802	5
1+1 modules	**N2671.1 AN**	2CLA267110N1802	5
2+2 modules	**N2672.2 AN**	2CLA267220N1802	5
1+1+1+1 modules	**N2672.4 AN**	2CLA267240N1802	5
3+3 modules	**N2673.6 AN**	2CLA267360N1802	5

Champagne

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - Blank to 6 modules - Champagne Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
Blank	**N2670 CV**	2CLA267000N1902	5
1+1 modules	**N2671.1 CV**	2CLA267110N1902	5
2+2 modules	**N2672.2 CV**	2CLA267220N1902	5
1+1+1+1 modules	**N2672.4 CV**	2CLA267240N1902	5
3+3 modules	**N2673.6 CV**	2CLA267360N1902	5

White Glass

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 6 modules - Noble - White Glass Material: glass Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
3+3 modules	**N2673.6 CB**	2CLA267360N3002	2

Black Glass

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 6 modules - Noble - Black Glass Material: glass Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
3+3 modules	**N2673.6 CN**	2CLA267360N3102	2

Slate

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 6 modules - Noble - Slate Material: slate Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
3+3 modules	**N2673.6 PZ**	2CLA267360N2202	2

Stainless Steel

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 6 modules - Noble - Stainless Steel Stainless Steel Material: stainless steel Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
3+3 modules	**N2673.6 OX**	2CLA267360N4002	2

Wenge

Modules	Article-No.	Order-No.	Pack/Qty
	Frames - 6 modules - Noble - Wenge Material: wood Size (height x width): 122 x 138 mm. Mounting plate code suitable for 4" x 4" boxes: N2673.9.		
3+3 modules	**N2673.6 WG**	2CLA267360N2102	5

Zenit - Frames for NEMA inserts and 3 modules in square boxes

White

Gangs	Article-No.	Order-No.	Pack/Qty
	Frames - NEMA rectangular devices - White Size (height x width): 117 x 85 mm. Wallplate for rectangular face NEMA devices (max: 2,62" H x 1,3" W)		
1-gang	**N2473.6 BL**	2CLA247360N1102	20

Silver

Gangs	Article-No.	Order-No.	Pack/Qty
	Frames - NEMA rectangular devices - Silver Size (height x width): 117 x 85 mm. Wallplate for rectangular face NEMA devices (max: 2,62" H x 1,3" W)		
1-gang	**N2473.6 PL**	2CLA247360N1302	20

Anthracite

Gangs	Article-No.	Order-No.	Pack/Qty
	Frames - NEMA rectangular devices - Anthracite Size (height x width): 117 x 85 mm. Wallplate for rectangular face NEMA devices (max: 2,62" H x 1,3" W)		
1-gang	**N2473.6 AN**	2CLA247360N1802	20

Champagne

Gangs	Article-No.	Order-No.	Pack/Qty
	Frames - NEMA rectangular devices - Champagne Size (height x width): 117 x 85 mm. Wallplate for rectangular face NEMA devices (max: 2,62" H x 1,3" W)		
1-gang	**N2473.6 CV**	2CLA247360N1902	20

White

Gangs	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules in squeare box - White Size (height x width): 90 x 90 mm. Mounting plate code suitable for 60 mm. screw distance boxes: N2573.9. Flush mounting boxes code: 1099.		
1-gang	**N2573 BL**	2CLA257300N1102	20

Silver

Gangs	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules in squeare box - Silver Size (height x width): 90 x 90 mm. Mounting plate code suitable for 60 mm. screw distance boxes: N2573.9. Flush mounting boxes code: 1099.		
1-gang	**N2573 PL**	2CLA257300N1302	20

Anthracite

Gangs	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules in squeare box - Anthracite Size (height x width): 90 x 90 mm. Mounting plate code suitable for 60 mm. screw distance boxes: N2573.9. Flush mounting boxes code: 1099.		
1-gang	**N2573 AN**	2CLA257300N1802	20

Champagne

Gangs	Article-No.	Order-No.	Pack/Qty
	Frames - 3 modules in squeare box - Champagne Size (height x width): 90 x 90 mm. Mounting plate code suitable for 60 mm. screw distance boxes: N2573.9. Flush mounting boxes code: 1099.		
1-gang	**N2573 CV**	2CLA257300N1902	20
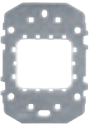
Zenit
Mounting plates and accesories

Gangs	Modules	Article-No.	Order-No.	Pack/Qty
		Mounting plate for European box For horizontal and vertical installation. To be installed with frames code: N2171 and N227X. Mounting plate suitable for 60 mm screw distance boxes code: 1099, 1999 & 1999.2 or surface mounting boxes code: 8591, 8592 & 8593. With aligning flaps for multigang frames. Optional: elastic claws N2071.9.		
1-gang	2 modules	**N2271.9**	2CLA227190N1002	20
		Mounting plate for European box with clamps For horizontal and vertical installation. For horizontal and vertical installation. To be installed with frames code: N2171 and N227X. Mounting plate suitable for 60 mm screw distance boxes code: 1099, 1999 & 1999.2 or surface mounting boxes code: 8591, 8592 & 8593. With aligning flaps for multigang frames. Included: fixing claws.		
1-gang	2 modules	**N2271.9 G**	2CLA227190N1102	20
		Mounting plate for European box For horizontal installation. To be installed with frames code: - N2272: 1x N2272.9. - N2273: 1x N2272.9 + 1x N2271.9. - N2274: 2x N2272.9. - N2275: 2x N2272.9 + 1x N2271.9. Mounting plate suitable for 60 mm screw distance boxes code: 1099, 1999 & 1999.2 or surface mounting boxes code: 8592 & 8593. With aligning flaps for multigang frames.		
2-gang	2+2 modules	**N2272.9**	2CLA227290N1002	20
		Mounting plate for European box For horizontal installation. To be installed with frames code: - N2273: 1x N2273.9 - N2274: 1x N2273.9 + 1x N2271.9. - N2275: 1x N2273.9 + 1x N2272.9. Mounting plate suitable for 60 mm screw distance boxes code: 1099, 1999 & 1999.2 or surface mounting boxes code: 8592 & 8593. With aligning flaps for multigang frames.		
3-gang	2+2+2 modules	**N2273.9**	2CLA227390N1002	20
		Mounting plate for 3 module box - Vertical Mounting plate that facilitates the assembly of 1 and 2 module devices in vertical installations. To be installed with frames code: N2371.1V and N2372.1. Mounting plate suitable for 83,5 mm screw distance boxes code: 499.3 or surface mounting boxes code: N2993.		
1-gang	2 modules	**N2371.9V**	2CLA237190N1002	20
		Mounting plate for 3 module box For horizontal and vertical installation of 1, 2 or 3 module devices. To be installed with frames code: N2370.1, N2371.1, N2372.1, N2372.2 and N2373.1. Mounting plate suitable for 83,5 mm screw distance boxes code: 499.3 or surface mounting boxes code: N2993.		
1-gang	3 modules	**N2373.9**	2CLA237390N1002	20
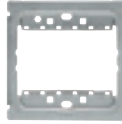
Gangs	Modules	Article-No.	Order-No.	Pack/Qty
		Mounting plate for European box For horizontal and vertical installation of 1, 2 or 3 module devices. To be installed with frames code: N2374.1. Mounting plate suitable for 107 mm screw distance boxes code: 1499.4 or surface mounting boxes code: N2994.		
1-gang	4 modules	**N2374.9**	2CLA237490N1002	20
		Mounting plate for 7 module box For horizontal and vertical installation of 1, 2 or 3 module devices. To be installed with frames code: N2777.1. Mounting plate suitable for 100 mm screw distance boxes code: 1499.7.		
1-gang	7 modules	**N2777.9**	2CLA277790N1002	20
		Mounting plate for 4"x4" box For horizontal and vertical installation of 1, 2 or 3 module devices. To be installed with frames code: N2670, N2671.1, N2672.2, N2672.4 and N2673.6. Mounting plate suitable for 4"x4" boxes.		
2-gang	3+3 modules	**N2673.9**	2CLA267390N1002	10
		Mounting plate for square box - 3M For horizontal and vertical installation in square boxes of 1, 2 or 3 module devices. To be installed with frames code: N2573. Mounting plate suitable for 60 mm screw distance boxes code: 1099.		
1-gang	3 modules	**N2573.9**	2CLA257390N1002	20
		Accessory for elastic claws Accessory that facilitates the installation of 1 module devices in mounting plate N2271.9 with the elastic claws N2071.9.		
		N2071.8	2CLA207180N1002	10
		Elastic claws Fixing elastic claws for mounting plates code: N2271.9.		
		N2071.9	2CLA207190N1002	20

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Zenit

Flush mounting boxes

Gangs	Modules	Article-No.	Order-No.	Pack/Qty
		European type box - Bricks and cement Installation box for walls built with bricks or cement. Distance between screws: 60 mm Suitable for mounting plates code: N2271.9, N2271.9G & N2272.9. Allows the input of 2 tubes per each side. Linkable for multigang frames. Included: 2 screws to fix the mounting plate. The screws can be placed in any of the 4 sides to facilitate the installation of the insert in vertical and horizontal.		
1-gang	2 modules	**1099**	2CLA009900A1002	50
		European type box - Drywall and partitions Installation box for walls built with drywall or partitions. Distance between screws: 60 mm Suitable for mounting plates code: N2271.9, N2271.9G & N2272.9. Linkable for multigang frames. Included: 2 screws to fix the mounting plate. Shaft diameter: 68 mm.		
1-gang	2 modules	**999**	2CLA099909A1001	25
		European type box - Drywall and partitions Double box suitable for 2-gang mounting plates. Installation box for walls built with drywall or partitions. Distance between screws: 60 mm Suitable for mounting plates code: N2271.9, N2271.9G & N2272.9. Included: 4 screws to fix the mounting plate. Shaft diameter: 68 mm. Distance between centers: 71 mm.		
2-gang	2+2 modules	**999.2**	2CLA099920A1001	10
		3 module type box - Bricks and cement Installation box for walls built with bricks or cement. Distance between screws: 83,5 mm. Suitable for mounting plates code: N2371.9 & N2373.9. Included: 2 screws to fix the mounting plate.		
1-gang	3 modules	**499.3**	2CLA049930A1002	25
		4 module type box - Bricks and cement Installation box for walls built with bricks or cement. Distance between screws: 107 mm Suitable for mounting plates code: N2374.9. Included: 2 screws to fix the mounting plate.		
1-gang	4 modules	**1499.4**	2CLA049940A1002	20
		7 module type box - Bricks and cement Installation box for walls built with bricks or cement. Distance between screws: 100 mm Suitable for mounting plates code: N2777.9. Without screws. Included: 4 screws to fix the mounting plate.		
1-gang	7 modules	**1499.7**	2CLA049970A1002	5

Frames for metallic and plastic profiles

Gangs	Modules	Article-No.	Order-No.	Pack/Qty
		Frame for metallic and plastic profiles Frames suitable to be installed in reduced dimensions surfaces as plastic and metallic profiles or screens. For 1 module devices. Size (width x height): 32 x 68 mm. Shaft size (width x height): 26 x 50 mm.		
1-gang	1 module	**N2671 BL**	2CLA267100N1102	10
1-gang	1 module	**N2671 PL**	2CLA267100N1302	10
1-gang	1 module	**N2671 AN**	2CLA267100N1802	10
1-gang	1 module	**N2671 CV**	2CLA267100N1902	10
		Frame for metallic and plastic profiles Frames suitable to be installed in reduced dimensions surfaces as plastic and metallic profiles or screens. For 1 module devices. Size (width x height): 32 x 126 mm. Shaft size (width x height): 26 x 108 mm.		
2-gang	1+1 module	**N2671.2 BL**	2CLA267120N1102	5
2-gang	1+1 module	**N2671.2 PL**	2CLA267120N1302	5
2-gang	1+1 module	**N2671.2 AN**	2CLA267120N1802	5
2-gang	1+1 module	**N2671.2 CV**	2CLA267120N1902	5
		Frame for metallic and plastic profiles Frames suitable to be installed in reduced dimensions surfaces as plastic and metallic profiles or screens. For 1 and 2 module devices. Size (width x height): 54 x 68 mm. Shaft size (width x height): 49 x 50 mm.		
1-gang	2 modules	**N2672 BL**	2CLA267200N1102	6
1-gang	2 modules	**N2672 PL**	2CLA267200N1302	6
1-gang	2 modules	**N2672 AN**	2CLA267200N1802	6
1-gang	2 modules	**N2672 CV**	2CLA267200N1902	6

DIN-rail mounting plate

Gangs	Modules	Article-No.	Order-No.	Pack/Qty
		Adapter for DIN rail - 2M Adapter that facilitates the intallation of Zenit devices up to 2 modules in switchboards on DIN rails. RAL 9010. Width: 53,5 mm.		
1-gang	2 modules	**N2692 BL**	2CLA269200N1102	10

All weather and surface solutions

Zenit boxes and frames for flush and surface mounting.
Four options that cover any need in flush, surface and/or all weather installations.

IP20 surface mounting boxes:

- 1-gang boxes with 2, 3 and 4 modules space.
- Protection degree: IP20.
- Color: White RAL 9010.
- Perfect solution for indoor surface installations combined with pipes and trunking systems.

IP40 surface mounting boxes:

- 1, 2 and 3-gang boxes with 2, 3, 2+2 and 2+2+2 modules space.
- Protection degree: IP40.
- Color: Gray RAL 7035.
- Perfect solution for indoor surface installations requiring a higher level of protection like parkings, industries, stadiums, etc.

IP55 surface mounting boxes:

- 1, 2 and 3-gang boxes with 2, 3, 2+2 and 2+2+2 modules space.
- Protection degree: IP55.
- Color: Gray RAL 7035.
- The box has a cover with a transparent elastic membrane that allows direct control of the switch and a comfortable opening angle of 120°.

IP55 flush mounting frames:

- 1 and 2-gang boxes with 2, 3 and 2+2 modules space.
- Protection degree: IP55
- Color: White, Gray RAL 7035 and Anthracite
- The frame has a cover with a transparent elastic membrane that allows direct control of the switch and a comfortable opening angle of 120°.

Zenit

IP20 surface mounting boxes

Color	Article-No.	Order-No.	Pack/Qty
Surface mounting box with frame - 2 modules Surface mounting box for 1 and 2 module devices. The box includes the clipping system to clasp inserts (no mounting plate necessary). Included: frame - 2 modules Size (Width x Height x Depth): 64 x 70 x 47 mm. Pre-cut areas in the 4 sides for N2999 adapters.			
White	**N2991.1 BL**	2CLA299110N1102	10
Surface mounting box - 2M Surface mounting box for 1 and 2 module devices. Suitable for 2 module mounting plates N2271.9. Suitable for N2171 and N2271 frames. Size (Width x Height x Depth): 86 x 86 x 44 mm. Pre-cut areas in the 4 sides for N2999 adapters.			
White	**8591 BL**	2CLA859100N1102	6
Surface mounting box - 2+2M Surface mounting box for 1 and 2 module devices. Suitable for 2 module mounting plates N2271.9. Suitable for N2272 frames. Size (Width x Height x Depth): 157 x 86 x 44 mm. Pre-cut areas in the 4 sides for N2999 adapters.			
White	**8592 BL**	2CLA859200N1102	5
Surface mounting box - 2+2+2M Surface mounting box for 1 and 2 module devices. Suitable for 2 module mounting plates N2271.9. Suitable for N2273 frames. Size (Width x Height x Depth): 228 x 86 x 44 mm. Pre-cut areas in the 4 sides for N2999 adapters.			
White	**8593 BL**	2CLA859300N1102	1
Surface mounting box - 3M Surface mounting box for 1, 2 or 3 module devices. Suitable for 3 module mounting plates N2371.9 and N2373.9. Suitable for N2471, N2472 and N2473 frames. Size (Width x Height x Depth): 107 x 85 x 44 mm. Pre-cut areas in the 4 sides for N2999 adapters.			
White	**N2993 BL**	2CLA299300N1102	10
Surface mounting box - 4M Surface mounting box for 1, 2 or 3 module devices. Suitable for 4 module mounting plates N2374.9. Suitable for N2374 frames. Size (Width x Height x Depth): 139 x 85 x 44 mm. Pre-cut areas in the 4 sides for N2999 adapters.			
White	**N2994 BL**	2CLA299400N1102	5
Adapter for tubes/pipes Adapter for tubes of Ø16, Ø20, Ø25. Suitable for surface mounting boxes code: N2991.1, 8591, 8592, 8593, N2993 and N2994.			
White	**N2999 BL**	2CLA299900N1102	10

IP40 surface mounting boxes

Color	Article-No.	Order-No.	Pack/Qty
Surface mounting box - IP40 - 2 modules Box for surface installation. 1-gang - 2 modules. For 1 or 2 module devices. Size (height x width x depth): 80 x 65 x 55 mm. Color: gray - RAL 7035. Protection degree: IP40 / IK06. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).			
Gray	**N3291.1**	2CLA329110N1102	10
Surface mounting box - IP40 - 2+2 modules Box for surface installation. 2-gang - 2+2 modules. For 1 or 2 module devices. Size (height x width x depth): 80 x 130 x 55 mm Color: gray - RAL 7035. Protection degree: IP40 / IK06. Double incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).			
Gray	**N3292.1**	2CLA329210N1102	10
Surface mounting box - IP40 - 2+2+2 modules Box for surface installation. 3-gang - 2+2+2 modules. For 1 or 2 module devices. Size (height x width x depth): 80 x 195 x 55 mm. Color: gray - RAL 7035. Protection degree: IP40 / IK06. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).			
Gray	**N3293.1**	2CLA329310N1102	5
Surface mounting box - IP40 - 3 modules Box for surface installation. 1-gang - 3 modules. For 1, 2 or 3 module devices. Size (height x width x depth): 80 x 104 x 55 mm Color: gray - RAL 7035. Protection degree: IP40 / IK06. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).			
Gray	**N3391.1**	2CLA339110N1102	10

Zenit

IP55 flush mounting kits

| Color	Article-No.	Order-No.	Pack/Qty
	Kit IP55 2-way switch - flush mounted Kit with: - N3271 BL: IP55 frame for flush mounting - 1-gang - 2 modules. - N2202 BL: 1-gang, 2-way / 127 - 250 Vac / 16 AX. - 1-gang, 2 module mounting plate. Protection degree: IP55 (with lid closed). Color: white. Opening angle of the lid: 120°. The lid allows operating the switch in closed position.		
White	**N3002**	2CLA300200N1102	10
	Kit IP55 push button - flush mounted Kit with: - N3271 BL: IP55 frame for flush mounting - 1-gang - 2 modules. - N2204 BL: 1-gang, 1-way, NO push button / 127 - 250 Vac / 16 A. - 1-gang, 2 module mounting plate. Protection degree: IP55 (with lid closed). Color: white. Opening angle of the lid: 120°. The lid allows operating the push button in closed position.		
White	**N3004**	2CLA300400N1102	10
	Kit IP55 Schuko socket outlet - flush mounted Kit with: - N3271 BL: IP55 frame for flush mounting - 1-gang - 2 modules. - N2288 BL: Schuko socket outlet / 127 - 250 Vac / 16 A. - 1-gang, 2 module mounting plate. Protection degree: IP55 (with lid closed). Color: white. Opening angle of the lid: 120°.		
White	**N3088**	2CLA308800N1102	10

IP55 flush mounting frames

Color	Article-No.	Order-No.	Pack/Qty
	Flush mounting frames - IP55 - 2 modules Frames for IP55 flush mounted installations. 1-gang - 2 modules. For 1 or 2 module devices. Size (height x width): 90 x 90 mm. Included: one 1-gang, 2 module mounting plate. Protection degree: IP55 (with lid closed). Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Suitable for 60mm screw distance boxes.		
White	**N3271 BL**	2CLA327100N1102	10
Gray	**N3271 GR**	2CLA327100N1702	10
Anthracite	**N3271 AN**	2CLA327100N1802	10
	Flush mounting frames - IP55 - 2+2 modules Frames for IP55 flush mounted vertical and horizontal installations. 2-gang - 2+2 modules. For 1 or 2 module devices. Size (height x width): 161 x 90 mm. Included: two 1-gang, 2 module mounting plate. Protection degree: IP55 (with lid closed). Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Suitable for 60mm screw distance boxes.		
White	**N3272 BL**	2CLA327200N1102	5
Gray	**N3272 GR**	2CLA327200N1702	5
Anthracite	**N3272 AN**	2CLA327200N1802	5
	Flush mounting frames - IP55 - 3 modules Frames for IP55 flush mounted horizontal installations. 1-gang - 3 modules. For 1, 2 or 3 module devices. Size (height x width): 90 x 122 mm. Included: one 1-gang, 3 module mounting plate. Protection degree: IP55 (with lid closed). Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Suitable for 83,5mm screw distance 3 module boxes.		
White	**N3373 BL**	2CLA337300N1102	5
Gray	**N3373 GR**	2CLA337300N1702	5
Anthracite	**N3373 AN**	2CLA337300N1802	5

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Zenit

IP55 surface mounting kits

Color	Article-No.	Order-No.	Pack/Qty
	Kit IP55 2-way switch - surface mounted Kit with: - N3291: IP55 box for surface mounting - 1-gang - 2 modules. - N2202 BL: 1-gang, 2-way / 127 - 250 Vac / 16 AX. Protection degree: IP55 (with lid closed). Color: white device / gray RAL 7035 box. Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).		
Gray	**N3202**	2CLA320200N1102	10
	Kit IP55 push button - surface mounted Kit with: - N3291: IP55 box for surface mounting - 1-gang - 2 modules. - N2204 BL: 1-gang, 1-way, NO push button / 127 - 250 Vac / 16 A. Protection degree: IP55 (with lid closed). Color: white device / gray RAL 7035 box. Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).		
Gray	**N3204**	2CLA300400N1102	10
	Kit IP55 Schuko socket outlet - surface mounted Kit with: - N3291: IP55 box for surface mounting - 1-gang - 2 modules. - N2288 BL: Schuko socket outlet / 127 - 250 Vac / 16 A. Protection degree: IP55 (with lid closed). Color: white device / gray RAL 7035 box. Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).		
Gray	**N3288**	2CLA308800N1102	10

IP55 surface mounting boxes

Color	Article-No.	Order-No.	Pack/Qty
	Surface mounting box - IP55 - 2 modules Box for IP55 surface mounted installations. 1-gang - 2 modules. For 1 or 2 module devices. Size (height x width x depth): 80 x 65 x 63 mm Color: gray RAL 7035 Protection degree: IP55 (with lid closed). Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).		
Gray	**N3291**	2CLA329100N1102	10
	Surface mounting box - IP55 - 2+2 modules Box for IP55 surface mounted horizontal installations. 2-gang - 2+2 modules. For 1 or 2 module devices. Size (height x width x depth): 80 x 130 x 63 mm. Color: gray RAL 7035. Protection degree: IP55 (with lid closed). Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).		
Gray	**N3292**	2CLA329200N1102	10
	Surface mounting box - IP55 - 2+2+2 modules Box for IP55 surface mounted horizontal installations. 3-gang - 2+2+2 modules. For 1 or 2 module devices. Size (height x width x depth): 80 x 195 x 63 mm Color: gray RAL 7035 Protection degree: IP55 (with lid closed). Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).		
Gray	**N3293**	2CLA329300N1102	5
	Surface mounting box - IP55 - 3 modules Box for IP55 surface mounted horizontal installations. 1-gang - 3 modules. For 1, 2 or 3 module devices. Size (height x width x depth): 80 x 104 x 63 mm. Color: gray RAL 7035. Protection degree: IP55 (with lid closed). Opening angle of the lid: 120°. The lid allows operating the switch in closed position. Incoming with multi-diameter cone for tubes/cables max. Ø20. The box includes the clipping system to clasp inserts (no mounting plate, nor frame are necessary).		
Gray	**N3391**	2CLA339100N1102	10

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Zenit Centralizations and Workstations
Cutting-edge connectivity
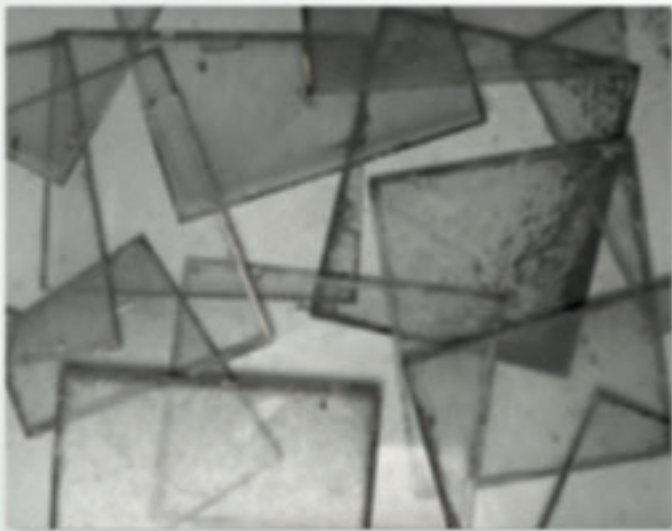
Zenit Centralizations and Workstations is a complete range of electrical and multimedia connectivity systems that allow the electrification of both, spaces and furniture, with solutions for flush or surface installations. With all the guarantee and care design that you can expect from our brand, and with important advances to facilitate and make this type of installations more comfortable.

Systems for centralized controls

The systems for centralized control of Zenit are oriented to respond to the needs generated in facilities of the tertiary sector (offices, shops, hotels, auditoriums, etc.). This system serves to centralize the control of different lights, blinds or equipment in a single box, in a single control point.

Better aesthetics outside, more comfort inside

The Zenit control centralizations can be installed in both, surface and flush mounted boxes.

Plates with four finishes that perfectly combine with all the functionalities offered by Zenit:

• **BL:** White plate and trim.

• **BP:** White plate / Silver trim.

• **PL:** Silver plate and trim.

• **AN:** Anthracite plate and trim.

Also the surface boxes are available in the finishes White, Silver and Anthracite.

Surface mounted box   Flush mounted box

In most of the tertiary installations, a place to centralize the control of the various lights shutters, boilers, etc. is always required.

The systems for centralized control of Zenit allows to group all these functions in a single box using the covers and inserts of **most complete modular range of the market: Zenit.**

With Zenit centralization systems **you can cover all the installation needs** that can arise in this type of premises, from the simplest up to the KNX functions (motion detection, thermostat, lighting control, blinds, etc.), as well as electronic funbctions as sound systems, dimming, door bell, room temperature control, timer, etc.
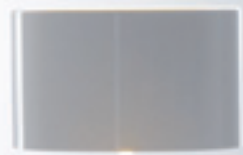
Better aesthetics outside and greater comfort inside

Zenit systems for centralized controls allow you to integrate in a single system all functions that an installation may need. All this thanks to having the most complete modular range. A range of appreciated design and beautiful finishes that add value to the installations, with advanced functions that bring greater comfort and level of performance.

With 1 module (N2100) or 2 module (N2200) inserts, you can distribute freely with 3 size options:

- **2-gang:** for 12 one module inserts or 6 two module inserts.
- **3-gang:** for 18 one module inserts or 9 two module inserts.
- **4-gang:** for 24 one module inserts or 12 two module inserts.

The Zenit systems for centralized controls, as wel as Zenit Workstations, incorporate the renowned tilting system that simplifies the installation work to professionals.

Allows each window to be tilted, opening it to the right or left. This greatly facilitates the work of connecting or exchanging the inserts, as it does not force you to work inside the box, but comfortably out of it.

Once the connections have been made, with all the facilities offered by the Zenit modular inserts, it will be enough to replace the tilted window in its place by simply pressing on the end until you hear a "click".

The tilting supports are made of metal to give to the centralization the maximum strength and resistance, and thus guarantee its durability over time regardless of the number of times times it is necessary to change its configuration.

Each window includes a comfortable and functional labeling area in its upper part that will allow the end user to identify the function associated to the insert on which it is located.

In addition, Zenit Centralizations offer all kinds of advantages to make the installation simpler and easier (adaptable to any type of wall, flush-mounted boxes with independent frames, systems of comfortable bonding, plates that are mounted by cliping ...).

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Zenit systems for centralized controls

Surface mounted centralizations

Surface mounted box with mounting plate + plate with trim + Zenit inserts

Selection table	12 modules	18 modules	24 modules
Surface mounting box	T1292 XX	T1293 XX	T1294 XX
Plate	T1272 XX	T1273 XX	T1274 XX
Insert	Zenit	Zenit	Zenit

Flush mounted centralizations
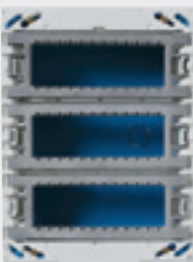
Flush mounted box with mounting plate + plate with trim + Zenit inserts

Selection table	12 modules	18 modules	24 modules
Flush mounting box	T1092.1	T1093.1	T1094.1
Plate	T1272 XX	T1273 XX	T1274 XX
Inserts	Zenit	Zenit	Zenit

Zenit - Centralizations

Surface mounting boxes

Color	Article-No.	Order-No.	Pack/Qty
	Surface mounting box - 12 modules Zenit centralization box for surface mounted installations. 2-gang - 6+6 modules. For 1, 2 or 3 module devices. Size (height x width x depth): 204 x 212 x 55 mm. Included: - Metallic mounting plates (horizontally folding for easy installation). - Screws. - Plugs. Suitable for frames code: T1272.		
White	**T1292 BL**	2CLA129200T1002	1
Silver	**T1292 PL**	2CLA129200T1302	1
Anthracite	**T1292 AN**	2CLA129200T1802	1
	Surface mounting box - 18 modules Zenit centralization box for surface mounted installations. 3-gang - 6+6+6 modules. For 1, 2 or 3 module devices. Size (height x width x depth): 275 x 212 x 55 mm Included: - Metallic mounting plates (horizontally folding for easy installation). - Screws. - Plugs. Suitable for frames code: T1273.		
White	**T1293 BL**	2CLA129300T1002	1
Silver	**T1293 PL**	2CLA129300T1302	1
Anthracite	**T1293 AN**	2CLA129300T1802	1
	Surface mounting box - 24 modules Zenit centralization box for surface mounted installations. 4-gang - 6+6+6+6 modules. For 1, 2 or 3 module devices. Size (height x width x depth): 346 x 212 x 55 mm Included: - Metallic mounting plates (horizontally folding for easy installation). - Screws. - Plugs. Suitable for frames code: T1274.		
White	**T1294 BL**	2CLA129400T1002	1
Silver	**T1294 PL**	2CLA129400T1302	1
Anthracite	**T1294 AN**	2CLA129400T1802	1

Flush mounting boxes

Product	Article-No.	Order-No.	Pack/Qty
	Flush mounting box - 12 modules Zenit centralization box for flush mounted installations. 2-gang - 6+6 modules. For 1, 2 or 3 module devices. Size (height x width x depth): 178 x 186 x 55 mm Included: - Metallic mounting plates (horizontally folding for easy installation). - multi-box linking accessories. - Screws. - Plugs. - Claws for drywall. Suitable for frames code: T1272.		
	T1092.1	2CLA109210T1002	1
	Flush mounting box - 18 modules Zenit centralization box for flush mounted installations. 3-gang - 6+6+6 modules. For 1, 2 or 3 module devices. Size (height x width x depth): 249 x 186 x 55 mm Included: - Metallic mounting plates (horizontally folding for easy installation). - multi-box linking accessories. - Screws. - Plugs. - Claws for drywall. Suitable for frames code: T1273.		
	T1093.1	2CLA109310T1002	1
	Flush mounting box - 24 modules Zenit centralization box for flush mounted installations. 4-gang - 6+6+6+6 modules. For 1, 2 or 3 module devices. Size (height x width x depth): 320 x 186 x 55 mm Included: - Metallic mounting plates (horizontally folding for easy installation). - multi-box linking accessories. - Screws. - Plugs. - Claws for drywall. Suitable for frames code: T1274.		
	T1094.1	2CLA109410T1002	1

Zenit - Centralizations

Frames

Color	Article-No.	Order-No.	Pack/Qty
	Frame for centralizations - 12 modules Color: - BL: White plate / White frame. - BP: White plate / Silver frame. - PL: Silver plate / Silver frame. - AN: Anthracite plate / Anthracite frame. Zenit centralization frames for flush mounting boxes code T1092.1 and surface mounting boxes code T1292. 2-gang - 6+6 modules. For 1, 2 or 3 module devices. With labeling space. Size (height x width): 204 x 212 mm.		
White/White	**T1272 BL**	2CLA127200T1102	1
White/Silver	**T1272 BP**	2CLA127200T1202	1
Silver	**T1272 PL**	2CLA127200T1302	1
Anthracite	**T1272 AN**	2CLA127200T1802	1
	Frame for centralizations - 18 modules Color: - BL: White plate / White frame. - BP: White plate / Silver frame. - PL: Silver plate / Silver frame. - AN: Anthracite plate / Anthracite frame. Zenit centralization frames for flush mounting boxes code T1093.1 and surface mounting boxes code T1293. 4-gang - 6+6+6 modules. For 1, 2 or 3 module devices. With labeling space. Size (height x width): 275 x 212 mm.		
White/White	**T1273 BL**	2CLA127300T1102	1
White/Silver	**T1273 BP**	2CLA127300T1202	1
Silver	**T1273 PL**	2CLA127300T1302	1
Anthracite	**T1273 AN**	2CLA127300T1802	1
	Frame for centralizations - 24 modules Color: - BL: White plate / White frame. - BP: White plate / Silver frame. - PL: Silver plate / Silver frame. - AN: Anthracite plate / Anthracite frame. Zenit centralization frames for flush mounting boxes code T1094.1 and surface mounting boxes code T1294. 4-gang - 6+6+6+6 modules. For 1, 2 or 3 module devices. With labeling space. Size (height x width): 346 x 212 mm.		
White/White	**T1274 BL**	2CLA127400T1102	1
White/Silver	**T1274 BP**	2CLA127400T1202	1
Silver	**T1274 PL**	2CLA127400T1302	1
Anthracite	**T1274 AN**	2CLA127400T1802	1
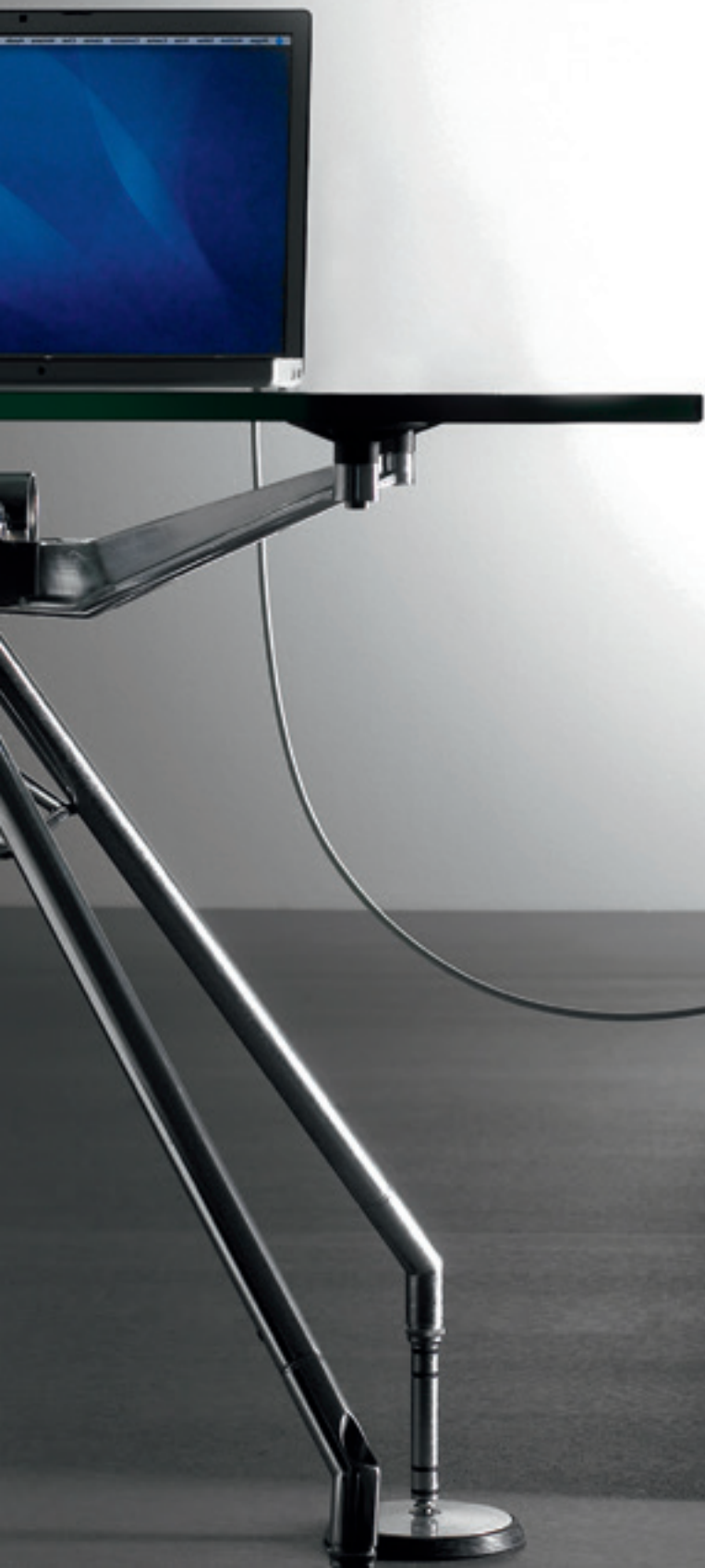
Systems for workstations

In an office the number of workplaces that require being connected to computers and multimedia equipment is increasing. This system makes it possible to group all together the needs of a working place (electrical outlets, telephone, data, protection and multimedia) in a single box.

Solutions to simplify your work

Standard configuration including 4 double modules consisting of:

• 4 stadard duplex Schuko socket outlets,

• 2 UPS duplex Schuko socket outlets,

• 1 quadruple adapter for telephone or data connectors

Kit especial que incorpora los mecanismos más habituales.

Finishes suiting to each workspace

The Zenit workstations are available in three finishes:

• **BL:** White plate and trim

• **PL:** Silver plate and trim

• **TT:** White plate / Titanium metallic trim

Also the surface boxes are available in the finishes White and Silver.

Professional solutions, solutions as a whole

The Zenit systems for workstations allow to group all the needs of a job in a single box, that can be:

• **Surface mounted box,** to be installed with pipe or trunking inlet.

• **Flush mounted box,** for brick walls or drywalls.

• **Floor box,** for traditional or concrete floors, as well as raised or technical floors.

With different options of measurement and capacity, **in order to provide the necessary flexibility in each workstation.**

And the duplex inserts, for sockets, voice and data, specially designed for these boxes, being the most used insert type in this kind of installations.

The maximum simplicity and comfort in the installation

The Zenit workstations have been meticulously designed with innovative breakthroughs, devised to solve in the most comfortable, quick and easy way any installation.

• **1** In addition to the usual cutouts for the drill, the base has flexible flaps for a correct adaptation to non-homogeneous, rough or imperfect walls. It is also equiped with holes arranged horizontally and vertically, to be able to level the box in both directions.

• **2** The bottom has a removable lid with several cutouts for different trunking dimensions.

• **3** Guides at the upper and lower ends facilitate the placement of a metal separator to avoid interferences between power and voice/data lines.
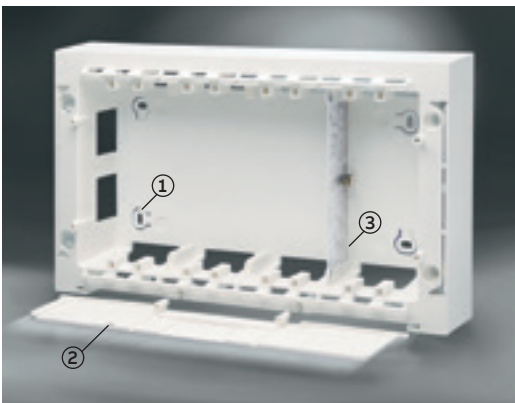
• At the rear the box has a large peripheral space to guide the cables comfortably.

• With multiple cable entries on all sides for easy access to all inserts.

The boxes are linked in a very simple way: the side is cut with scissors, the connection pieces that the box has inside are rotated and these are joined to the other box by simple pressure. This provides a perfect connection that does not alter the design of the box. (Figure 1).
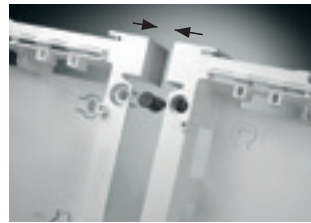
Figure 1

Figure 2

• To facilitate the alignment of the mounting plates, we include an accessory that joins and pairs the ends of the plates while screwing them. (Figure 2).

The boxes are linked very simply with two pieces that serve for the passage of the wiring and to keep them well aligned. (Figure 3).

Figure 3

Figure 4

• The flush mounted box offers multiple tube or pipe inlets on all sides.

• It also has tabs that allow its correct adjustment in plasterboard partitions or drywalls. (Figure 4)

• The mounting plate that holds the inserts is independent of the box. This offers two clear advantages to get a good finish without any problem:

  • When screwing the mounting plate into the flush mounted box, the screw holes allow the frame to be rotated so that the frame is always straight, even if the flush-mounted box is not.

  • In addition, the independent mounting plate rests on the wall and not on the box, which ensures that the outer bezel always fits well, even if the box is not perfectly scratched.

• **1** The embellishing cover and the frame (white or colored) are fixed by pressure, both to the mounting plate and to the box, without using any tool.

• **2** The frame offer easily removable slide-in tags that allow you to insert the labels included with the frame or any necessary description.

• **3** The socket outlets are positioned tilted to facilitate the use ofbulky plugs or chargers.

• **4** In addition to the duplex inserts created especially for the workstations, the system has a double adapter that allows to incorporate any modular 1 or 2 module insert of the Zenit range.

• **5** The voice and data connectors are hidden behind a protective shutter that prevents dirt from entering them.
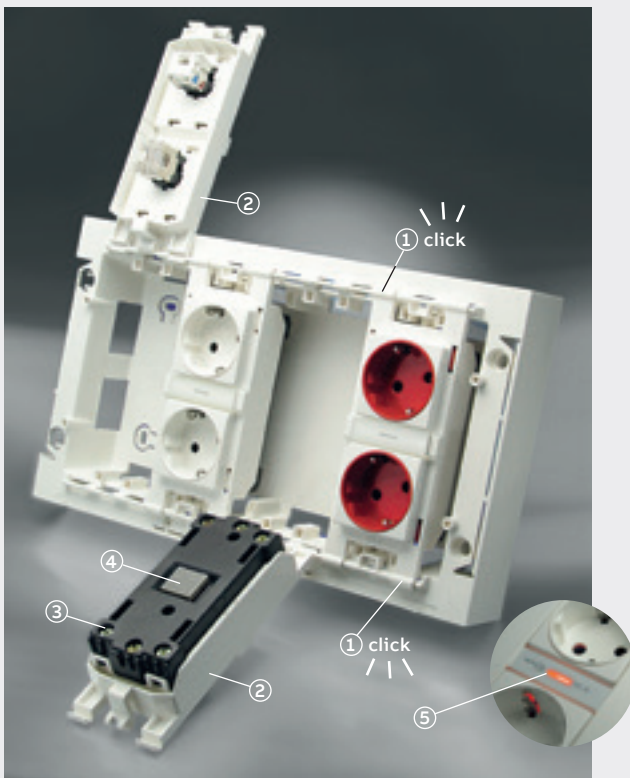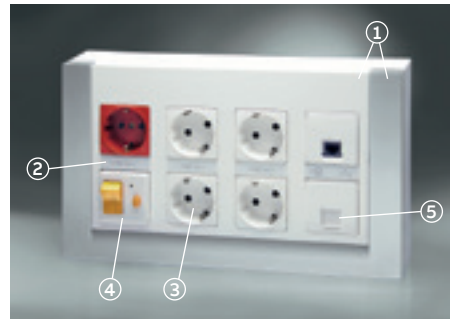
Thus, work is much easier.

• **1** The inserts are installed by clipping, simply by pressing on the top and bottom of them.

• **2** The great advantage for the installation is that, in order to facilitate its connection as much as possible, the inserts swing very easily in both directions (up and down). This allows you to work comfortably outside the box and, once the connections have been finished, reposition them in place by clicking on the bracket.

• **3** The screws of the socket outlets are located at the rear for easier tightening. In addition in the duplex socket outlets it is only necessary to connect on one side, which reduces the time of wiring in half.

• **4** Thanks to this innovative tilting system, the voltage indicator lamp can also be easily replaced by pressure and without the need for additional cables or connections at the rear of the inserts.

• **5** When placing the lamp on a duplex Schuko socket outlet or a duplex French/earth-pin socket outlet the sign is illuminated, which allows to easily identify if there is power supply at that point.

Zenit systems for workstations

Surface mounted workstations for walls and furniture

Surface mounted box with mounting plate + plate with trim + inserts

Selection table	3 columns	4 columns	5 columns
Surface mounting box	T1193 XX	T1194 XX	T1195 XX
Plate	T1173 XX	T1174 XX	T1175 XX
Insert	T1088 XX, T1087, T1018.X	T1088 XX, T1087 RJ, T1018.X	T1088 XX, T1087 RJ, T1018.X
Fordable lid (optional)	T1173.5	T1174.5	T1175.5

Flush mounted workstations for walls and furniture

Flush mounted box with mounting plate + plate with trim + inserts

Selection table	3 columns	4 columns
Flush mounting box	T1093	T1094
Plate	T1173 XX	T1174 XX
Insert	T1088 XX, T1087 RJ, T1018.X	T1088 XX, T1087 RJ, T1018.X
Fordable lid (optional)	T1173.5	T1174.5

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Zenit systems for workstations

Flush mounted workstations for floors
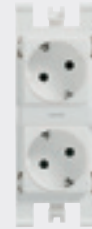
Floor box + plate with mounting plate + inserts

Selection table	3 columns
Floor box	T1393, T1393.1
Plate	T1373
Inserts	T1088 XX, T1087 RJ, T1018.X
Metal box for traditional/concrete floor (optional)	T1393.9

Application examples for workstations

• **Workstation for wall or furniture**
• **Surface mounted**
• **With Zenit's MCB and RCD protection insert**

Workstation with 4 columns (Silver) with 3 standard Schuko socket outlets, 2 red for UPS and one support for 4 data/telephone connectors. Composition:

Description	Code
Surface mounting box with mounting plate Silver	T1194 PL
Plate with trim Silver	T1174 PL
Duplex Schuko socket outlet Silver	T1088 PL
Duplex Schuko socket outlet Silver-Red	T1088 RP
Support for 4 data/telephone connectors Silver	T1018.4 BL
Adaptor for Zenit modular inserts	T1000
Zenit Schuko socket outlet Silver	N2288 PL
Zenit MCB (10A)+ RCD (10mA) protection device Silver	N2234.2 PL

• **Workstation for wall or furniture**
• **Flush mounted**
• **With data and telephone connectors**

Workstation with 3 columns (White) with fordable lid, 2 standard duplex Schuko socket outlets, 2 red for UPS, one telephone outlet and data outlet CAT5e UTP. Composition:

Description	Code
Flush mounting box with mounting plate	T1093
Plate with trim White	T1173 BL
Fordable lid	T1173.5
Duplex Schuko socket outlet White	T1088 BL
Duplex Schuko socket outlet Red	T1088 RJ
Adaptor for Zenit modular inserts	T1000
Zenit RJ12 telephone outlet	2017.2
Zenit RJ45 CAT5e UTP data outlet	2018.5
Zenit 1-gang cover plate for telephone and data outlets White	N2218.1 BL (2 units)

• **Workstation for floor installation**
• **With Schuko socket outlets and data connectors**
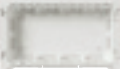
Workstation with 3 columns, 1 standard duplex Schuko socket outlet, 1 red for UPS, one telephone outlet and data outlet CAT6 FTP. Composition:

Description	Code
Floor box with stainless steel lid	T1393.1
Plate with mounting plate	T1373
Duplex Schuko socket outlet White	T1088 BL
Duplex Schuko socket outlet Red	T1088 RJ
Support for 2 data/telephone connectors Silver	T1018.2
Zenit RJ12 telephone outlet	2017.2
TZenit RJ45 CAT6 FTP data outlet	2018.6F

Zenit - Workstations

Surface mounting boxes
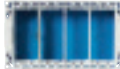
Color	Article-No.	Order-No.	Pack/Qty
	Surface mounting box - 3 columns Zenit workstation box for surface mounted installations. 3-columns - 2+2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Size (height x width x depth): 176 x 235 x 45 mm Included: - Mounting plates (vertically folding devices for easy installation). - Multi-box linking accessories. - Screws. - Plugs. - Side cover for trunking system incoming. - Isolating metallic plate to devide power from VDI. Suitable for frames code: T1173.		
White	**T1193 BL**	2CLA119300T1002	1
Silver	**T1193 PL**	2CLA119300T1302	1
	Surface mounting box - 4 columns Zenit workstation box for surface mounted installations. 4-columns - 2+2+2+2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Size (height x width x depth): 176 x 295 x 45 mm Included: - Mounting plates (vertically folding devices for easy installation). - Multi-box linking accessories. - Screws. - Plugs. - Side cover for trunking system incoming. - Isolating metallic plate to devide power from VDI. Suitable for frames code: T1174.		
White	**T1194 BL**	2CLA119400T1002	1
Silver	**T1194 PL**	2CLA119400T1302	1
	Surface mounting box - 5 columns Zenit workstation box for surface mounted installations. 5-columns - 2+2+2+2+2+2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Size (height x width x depth): 176 x 355 x 45 mm Included: - Mounting plates (vertically folding devices for easy installation). - Multi-box linking accessories. - Screws. - Plugs. - Side cover for trunking system incoming. - Isolating metallic plate to devide power from VDI. Suitable for frames code: T1175.		
White	**T1195 BL**	2CLA119500T1002	1
Silver	**T1195 PL**	2CLA119500T1302	1

Flush mounting boxes

Product	Article-No.	Order-No.	Pack/Qty
	Flush mounting box - 3 columns Zenit workstation box for flush mounted installations. 3-columns - 2+2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Size (height x width x depth): 150 x 211 x 45 mm Included: - Mounting plates (vertically folding devices for easy installation). - Multi-box linking accessories. - Screws. - Plugs. - Isolating metallic plate to devide power from VDI. - Claws for drywall. Suitable for frames code: T1174.		
	T1093	2CLA109300T1002	1
	Flush mounting box - 4 columns Zenit workstation box for flush mounted installations. 4-columns - 2+2+2+2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Size (height x width x depth): 150 x 271 x 45 mm Included: - Mounting plates (vertically folding devices for easy installation). - multi-box linking accessories. - Screws. - Plugs. - Isolating metallic plate to devide power from VDI. - Claws for drywall. Suitable for frames code: T1174.		
	T1094	2CLA109400T1002	1

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Zenit - Workstations
Frames

Color	Article-No.	Order-No.	Pack/Qty
	Frame for workstations - 3 columns Color: - BL: White plate / White frame - PL: Silver plate / Silver frame - TT: White plate / Titanium metallic frame Zenit workstation frames for flush mounting boxes code T1093 and surface mounting boxes code T1193. 3-columns - 6-gang - 2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Size (height x width): 176x 235 mm.			
White	**T1173 BL**	2CLA117300T1102	1
Silver	**T1173 PL**	2CLA117300T1302	1
Titanium	**T1173 TT**	2CLA117300T1402	1

Color	Article-No.	Order-No.	Pack/Qty
	Frame for workstations - 4 columns Color: - BL: White plate / White frame - PL: Silver plate / Silver frame - TT: White plate / Titanium metallic frame Zenit workstation frames for flush mounting boxes code T1094 and surface mounting boxes code T1194. 4-columns - 8-gang - 2+2+2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Size (height x width): 176x 295 mm.			
White	**T1174 BL**	2CLA117400T1102	1
Silver	**T1174 PL**	2CLA117400T1302	1
Titanium	**T1174 TT**	2CLA117400T1402	1
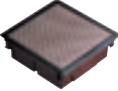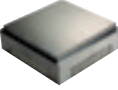
Color	Article-No.	Order-No.	Pack/Qty
	Frame for workstations - 5 columns Color: - BL: White plate / White frame - PL: Silver plate / Silver frame - TT: White plate / Titanium metallic frame Zenit workstation frames for surface mounting boxes code T1195. 5-columns - 10-gang - 2+2+2+2+2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Size (height x width): 176x 355 mm.			
White	**T1175 BL**	2CLA117500T1102	1
Silver	**T1175 PL**	2CLA117500T1302	1
Titanium	**T1175 TT**	2CLA117500T1402	1

Foldable lid

Color	Article-No.	Order-No.	Pack/Qty
	Fondable lis for workstations - Black Foldable lid to cover the devices and cables in a workstation: - T1173.5: for 3-column workstations. - T1174.5: for 4-column workstations. - T1175.5: for 5-column workstations. This is an optional accessory for surface and flush mounted boxes.			
Black	**T1173.5**	2CLA117350T1002	1
Black	**T1174.5**	2CLA117450T1002	1
Black	**T1175.5**	2CLA117450T1002	1

Zenit - Workstations

Floor boxes

Mounting plates for floor box

Color	Article-No.	Order-No.	Pack/Qty
	Floor box - 3 columns - 5 mm. hollow lid Floor box with 5 mm. deep hollow lid for carpet, linoleum, etc. Protection degree: - IP52 between the box and the floor ensured by loss-proof seal. - IP4x at the rim of the lid. - IP2x at the cable inlet. Resistance of the lid: 1500 N according to DIN VDE 0364. Resistance to chemicals present in the main detergents. Direct installation in technical or raised floor. Installation in tradiotional floors using the flush mounting metal box code T1393.9. Color: dark gray RAL 7021. Size (height x width x depth): 235 x 300 x 100 mm. Slot size (height x width): 211 x 275 mm. Suitable mounting plates code: T1373 and T1371.4.		
Dark gray	**T1393**	M109020000	1

Color	Article-No.	Order-No.	Pack/Qty
	Floor box - 3 columns - Stainless steel lid Floor box with anti-slip square patterned lid with stainless steel finish. Protection degree: - IP52 between the box and the floor ensured by loss-proof seal. - IP4x at the rim of the lid. - IP2x at the cable inlet. Resistance of the lid: 1500 N according to DIN VDE 0364. Resistance to chemicals present in the main detergents. Direct installation in technical or raised floor. Installation in tradiotional floors using the flush mounting metal box code T1393.9. Color: dark gray RAL 7021. Size (height x width x depth): 235 x 300 x 100 mm. Slot size (height x width): 211 x 275 mm. Suitable mounting plates code: T1373 and T1371.4.		
Dark gray	**T1393.1**	M109030000	1

	Flush mounting metal box Accessory for the installation of the floor boxes code T1393 and T1393.1 in tradiotional/concrete floors. Supplied with protection semi-lid and bunkheads for trunkings of 70x30 mm. and of 95x30 mm. and for ø 25 mm and 32 mm. conduits. Size (height x width x depth): 230 x 305 x 105 mm.		
	T1393.9	M109300000	1

Color	Article-No.	Order-No.	Pack/Qty
	Mounting plate for floor box - 3 columns 3-column adapter for the installation of Zenit devices and/or T10XX devices in floor boxes code: T1393 and T1393.1. 3-columns - 2+2+2+2+2+2 modules. For 1 or 2 module devices. Also suitable for T10XX devices. Included: - Mounting plates. - Frame. - Screws.		
White	**T1373**	2CLA137300T1102	20

	Adapter plate for floor box - 4 modules 4 module adapter plate for the installation of Zenit devices in floor boxes code: T1393 and T1393.1. To be combined with Zenit 4-module mounting plates code N1374.9 and frames code N2374.1. For 1, 2 or 3 module devices. Included: screws.		
Dark gray	**T1371.4**	M109190000	6

Zenit - Workstations
Duplex socket outlets

Color	Article-No.	Order-No.	Pack/Qty
	Duplex Schuko socket outlet Rated voltage: 250 Vac. Rated current: 16A. Type F: 2P + E. Shuttered for child safety. Screw terminals (common terminal for both outlets). Folding system for easy installation. With labeling space. Optional: power indicator LED lamp code: 6192. Suitable for boxes code T1193, T1194, T1195, T1093 and T1094 and mounting plates code T1373. Colors RJ and RP are suitable to identify special circuits.		
White/White	**T1088 BL**	2CLA108800T1002	5
Silver/Silver	**T1088 PL**	2CLA108800T1302	5
White/Red	**T1088 RJ**	2CLA108800T7002	5
Silver/Red	**T1088 RP**	2CLA108800T7302	5
	Duplex French/Earth-pin socket outlet Rated voltage: 250 Vac. Rated current: 16A. Type E: 2P + E. Shuttered for child safety. Screw terminals (common terminal for both outlets). Folding system for easy installation. With labeling space. Optional: power indicator LED lamp code: 6192. Suitable for boxes code T1193, T1194, T1195, T1093 and T1094 and mounting plates code T1373. Color RJ is suitable to identify special circuits.		
White/White	**T1087 BL**	2CLA108700T1002	5
White/Red	**T1087 RJ**	2CLA108700T7002	5

Adapters

Color	Article-No.	Order-No.	Pack/Qty
	Adapter plate for Zenit devices 1-column adapter plate for Zenit devices. 2+2 modules. For 1 or 2 module devices. With labeling space. Suitable for boxes code T1193, T1194, T1195, T1093 and T1094 and mounting plates code T1373.		
	T1000	2CLA100000T1002	10
	Adapter for Keystone & Systimax - 2-gang 1-column adapter plate for Keystone and Systimax clipping system devices. 2-gang. With anti-dust shutters. With labeling space. Suitable for boxes code T1193, T1194, T1195, T1093 and T1094 and mounting plates code T1373.		
White	**T1018.2 BL**	2CLA101820T1002	10
Silver	**T1018.2 PL**	2CLA101820T1302	10
	Adapter for Keystone & Systimax - 2-gang 1-column adapter plate for Keystone and Systimax clipping system devices. 2-gang. With anti-dust shutters. With labeling space. Suitable for boxes code T1193, T1194, T1195, T1093 and T1094 and mounting plates code T1373.		
White	**T1018.4 BL**	2CLA101840T1002	10
Silver	**T1018.4 PL**	2CLA101840T1302	10
	Adapter plate for ABB DIN-rail devices 1-column adapter ABB System Pro M DIN-rail devices. 2 modules. For 1 or 2 module devices. Suitable for boxes code T1193, T1194, T1195, T1093 and T1094 and mounting plates code T1373.		
White	**T1034 BL**	2CLA103400T1002	10
Silver	**T1034 PL**	2CLA103400T1302	10

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Sound system
A soundtrack in each space

Improve the sound of all your projects. The first sound system that adapts to the current way of listening to music and radio. With Bluetooth and USB input to connect it to your mobile devices, and with Multiroom function to hear one melody in each space or the same in all rooms. Zenit sound system is an innovative solution that thanks to its many advantages you can offer your customers to increase the value of your facilities. With the quality of ABB you already know and with a very simple installation that does not require work.

Music from any device

Each person has his own musical universe

A compilation of artists that accompanies us on the smartphone, tablet, computer or even in the "cloud" or a streaming system. **Zenit sound system is a door so that** **each person can acces their musical universel** from each room of their home or their work, in a simple way and with the maximum quality of sound.

Bluetooth and USB: It allows you to control the music from a smartphone or tablet via Bluetooth or play the music stored in USB devices.

Compatible with the main operating systems as iOS, Android, Windows Phone, Mac OS, Windows...

Zenit sound system also offers the possibility to listen to music from streaming platforms like Spotify, Google Play Music, Apple Music, Amazon Music Unlimited, Napster... or any online streaming music or radio provider.

Multiroom

A different music in each room or the same in all the rooms, it's your choice

The installation **allows to control what music is heard in each room,** personalizing it in each case. In this way a person can listen to rock in the room, while in the kitchen classical music sounds. And the same in the workspaces, since in each office or meeting room you can tune in different music. But at any time you can play the same music in all spaces equipped with Zenit sound system, thanks to the multiroom function.

Brings innovation to your home

It offers the sound quality of ABB in a device that will allow your customers to listen to a different music in each room. In addition, its **avant-garde design** makes Zenit sound system the perfect ally of the decoration in any space.

Ease in your projects

Easy installation

To enjoy the Zenith sound system **you will not have to do work, because it is installed just like a switch,** you only need a hole with a power supply.

Whether it is a new installation or a refurbishment, the Zenit sound system can be installed very simply.

When using the ceiling module, to enjoy its FM radio or Bluetooth connection functionality no additional wiring to the power supply is required, since the communication between the ceiling module and the wall mounted remote control is wireless.

Also in the renovation

It adapts to the needs of each space

If you already have an old sound system from ABB or another brand, you can replace the old controls with the new modules of the Zenit sound system and continue using the speakers already installed. You will not need to have more holes in the wall than the existing ones, you can use those of the controls of your old sound system.

If you do not have a sound system, you can easily install a remote control on the wall taking advantage of any point where you have two standard 1-gang switches of ABB.

These two 1-gang switches can be changed by a 2-gang switch mounted in a single 1-gang box and occupy the other 1-gang box that remains free with the remote control of the Zenit sound system.

Now only one or several 5 "loudspeakers (up to 4 loudspeakers per channel) have to be installed in the ceiling and, taking advantage of the hole created for the loudspeakers, housing the ceiling module next to the module.

Zenit - Sound system

Multiroom Bluetooth system

Product	Article-No.	Order-No.	Pack/Qty
Multiroom sound module Rated voltage: 127-230 Vac ± 15%; 50-60 Hz. Max. consumption: 200 mA. Stand-by consuption: 0,3W. Amplifier power: 6+6 W; <1% distorsion (4 Ω). Speaker impedance: 4 Ω (2+2 W audio). FM radio digital tuner with RDS. Alarm clock with buzzer, radio types and snooze function. Bluetooth receiver: Bluetooth® v2.1 2.4GHz IEEE 802.15.1. Multiroom function available (1 master device and up to 14 slave devices). Remote control using code 9368.2 (ZigBee 2.4GHz IEEE 802.15.4). Optional: auxilary module 9368.3 for I/O (1 mini-jack stereo input & 1 mini-jack stereo output) and USB connection functions.			
	9368.1	2CLA936810A1001	1
Remote control for multiroom sound module - 2M Rated voltage: 127-230 Vac ± 15%; 50-60 Hz. Max. consumption: 15 mA. Stand-by consuption: 0,5W. To control 9368.1 module (1 remote control for each module). Wireless connection between moles 9368.1 and 9368.2 (ZigBee 2.4GHz IEEE 802.15.4). Optional: auxilary module 9368.3 for I/O (1 mini-jack stereo input & 1 mini-jack stereo output) and USB connection functions. In case of using 9368.3 module, the connection between modules 9368.1 and 9368.2 must be wired (3 wires). Mounting grid delivered with the cover plate (without fixing claws). Cover plate code: N2268.			
	9368.2	2CLA936820A1001	1
Cover plate for radio/remote control modules Cover plate for FM-radio module and for remote control module code: 9368, 9368.2 & 9368.7.			
White	**N2268 BL**	2CLA226800N1102	1
Silver	**N2268 PL**	2CLA226800N1302	1
Anthracite	**N2268 AN**	2CLA226800N1802	1
Champagne	**N2268 CV**	2CLA226800N1902	1

FM radio with alarm

Product	Article-No.	Order-No.	Pack/Qty
FM-radio and alarm module - 2M Rated voltage: 230 Vac ± 15%; 50-60 Hz. Max. consumption: 100 mA. Stand-by consuption: 0,2W. Amplifier power: 2+2 W; <1% distorsion (16 Ω). Speaker impedance: 16 Ω (2+2 W audio). FM radio digital tuner with RDS. Alarm clock with buzzer, radio types and snooze function. Optional: auxilary module 9368.3 for I/O (1 mini-jack stereo input & 1 mini-jack stereo output), USB connection and Bluetooth receiver functions. Mounting grid delivered with the cover plate (without fixing claws). Cover plate code: N2268.			
	9368	2CLA936800A1001	1
FM-radio and alarm module - 2M Rated voltage: 127 Vac ± 15%; 50-60 Hz. Max. consumption: 100 mA. Stand-by consuption: 0,2W. Amplifier power: 2+2 W; <1% distorsion (16 Ω). Speaker impedance: 16 Ω (2+2 W audio). FM radio digital tuner with RDS. Alarm clock with buzzer, radio types and snooze function. Optional: auxilary module 9368.3 for I/O (1 mini-jack stereo input & 1 mini-jack stereo output), USB connection and Bluetooth receiver functions. Mounting grid delivered with the cover plate (without fixing claws). Cover plate code: N2268.			
	9368.7	2CLA936870A1001	1
Cover plate for radio/remote control modules Cover plate for FM-radio module and for remote control module code: 9368, 9368.2 & 9368.7.			
White	**N2268 BL**	2CLA226800N1102	1
Silver	**N2268 PL**	2CLA226800N1302	1
Anthracite	**N2268 AN**	2CLA226800N1802	1
Champagne	**N2268 CV**	2CLA226800N1902	1

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Zenit - Sound system

Auxiliary module

Product	Article-No.	Order-No.	Pack/Qty
	Auxiliary module - 2M Power supply through 9368, 9368.2 or 9368.7 modules. Max. consumption: 200 mA. Stand-by consuption: 0,4W. Bluetooth receiver: Bluetooth® v2.1 2.4GHz IEEE 802.15.1. USB connector: for MP3 and WAV files. Max. consuption of the connected device: 100 mA @5Vdc. Input: 1x mini-jack stereo 3,5 mm. Output: 1x mini-jack stereo 3,5 mm. Mounting grid delivered with the cover plate (without fixing claws). Cover plate code: N2268.3.		
	9368.3	2CLA936830A1001	1

	Cover plate for I/O + USB + Bluetooth module Cover plate for I/O + USB + Bluetooth module code: 9368.3.		
White	**N2268.3 BL**	2CLA226830N1102	1
Silver	**N2268.3 PL**	2CLA226830N1302	1
Anthracite	**N2268.3 AN**	2CLA226830N1802	1
Champagne	**N2268.3 CV**	2CLA226830N1902	1
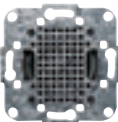
Speaker connection unit

Color	Article-No.	Order-No.	Pack/Qty
	Speaker connection unit - 2M Front: 2x spring speaker terminals (Red/Black). Rear: 2x screw terminals.		
White	**N2257.1 BL**	2CLA225710N1102	1
Silver	**N2257.1 PL**	2CLA225710N1302	1
Anthracite	**N2257.1 AN**	2CLA225710N1802	1
Champagne	**N2257.1 CV**	2CLA225710N1902	1

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Zenit

2" loudspeaker for wall

Product	Article-No.	Order-No.	Pack/Qty
	2" loudspeaker 2 W Compatible with sound modules and amplifier code: 9368, 9368.1, 9368.7 and 9335.1. With broadband characteristics. With screwless terminals. Rated output: 2 W (RMS). Frequency response: 150 - 16.000 Hz. Impedance: 16 Ohm. Mounting depth: 34 mm. Without fixing claws. Cover plate code: N2229, 8629 & 9399.4.		
	9329	2CLA932900A1001	1
	Cover plate for 2" loudspeaker Cover plate for 2" loudspeaker code: 9329.		
White	**N2229 BL**	2CLA222900N1102	5
Silver	**N2229 PL**	2CLA222900N1302	5
Anthracite	**N2229 AN**	2CLA222900N1802	5
Champagne	**N2229 CV**	2CLA222900N1902	5
	Embellishing grid for 2" loudspeaker Embellishing grid for 2"" loudspeaker code: 9329. Plastic material.		
White	**9399.4 BA**	2CLA939940A1001	5
Black	**9399.4 NG**	2CLA939940A1501	5

5" loudspeaker for ceiling

Product	Article-No.	Order-No.	Pack/Qty
	5" loudspeaker 6 W Compatible with sound modules and amplifier code: 9368, 9368.1, 9368.7 and 9335.1. With broadband characteristics. With screw terminals. Rated output: 6 W (RMS). Frequency response: 70 - 10.000 Hz. Impedance: 16 Ohm. Flush mounted installation with 9399 mounting box or 9399.1 mounting ring. Embellishing grid code: 9399.2.		
	9329.1	2CLA932910A1001	1
	Installation box for 5" loudspeaker For 9329.1 loudspeaker. For flush-mounted assembly. Drilling measurements: 174 mm. Mounting depth: 84 mm.		
	9399	2CLA939900A1001	12
	Installation ring for 5" loudspeaker For 9329.1 loudspeaker. For mounting in hollow walls/ceilings. With spring brackets. Drilling measurements: 160 mm. Mounting depth: 110 mm.		
	9399.1	2CLA939910A1001	12
	Embellishing grid for 5" loudspeaker Embellishing grid for 5" loudspeaker code: 9329.1. Plastic material. With central fixation screw.		
	9399.2	2CLA939920A1001	12

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Zenit
Auxiliary amplifier

Product	Article-No.	Order-No.	Pack/Qty
	Auxiliary 20W amplifier Rated voltage: 230 Vac ± 10 % / 50-60 Hz. Power consumption: 3,5 VA (max. 36 VA). Output voltage: 15 V- (max. 1,5 A). Output power: - 10 + 10 W (2 Ω). - 20 W (4 Ω). Speaker impedance: - 2 - 16 Ω (10 + 10 W). - 4 - 16 Ω (20 W). Can be operated in booster mode with FM radio modules 9368 and 9368.7 and multiroom modules 9368.1. Can be operated in ""standalone"" mode with one audio input. Can be used in bridge operation. For extending the number of speakers at one amplifier insert. For max. 16 speakers code 9329 or 9329.1. DIN-rail installation. Module width: 7.		
	9335.1	2CLA933510A1001	1

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Zenit & ABB-free@home®
Making home automation easier than ever

Simply smart. ABB-free@home® transforms the house or the apartment into an intelligent home. Whether blinds, lights, heating, air conditioning, door communication or scenes. Easy to remote control via a switch on the wall, with the laptop or with the smartphone. Very convenient. Extremely comfortable. Very energy efficient. Especially attractive: Only minimal costs are involved when compared with conventional electrical installations.

FREEDOM

Home becomes smart

Just as you like it
The Smart Home

The perfect daily routine. With ABB-free@home®
and Zenit, the entire home can be controlled not
only with switches, but now even more practically:
by smartphone or tablet and via touch or voice
control. This allows home automation to be
managed in a way that's mobile and smart, precise
and flexible. For example, if the light atmosphere
needs to be changed, tapping on the touchscreen
or a simple voice command moves the blinds or
changes the colours of the lights. Experience the
future of smart living today.
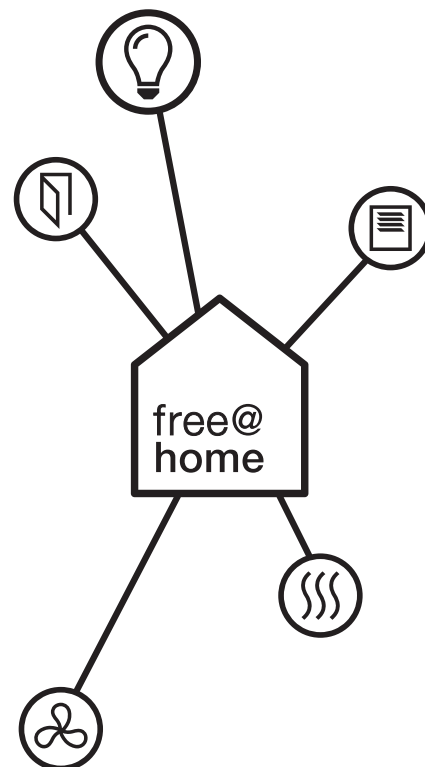
free@
home

Free choice
Live as your heart desires

Smart. ABB-free@home® transforms the house or the apartment into an intelligent home. Whether blinds, lights, heating, air-conditioning or door communication – comfort, safety and efficiency can finally be remotely controlled. Via a switch on the wall, via voice control or with a smartphone, tablet or personal computer.

The pleasure of simplicity
ABB-free@home® makes daily life easier. You can manage blinds, lights, heating, air-conditioning and door communication using just one system. The smartphone becomes the remote control in the house. It allows you to raise the blinds and switch on the radio in the kitchen with the touch of a button while you are still in bed – or to deactivate all lights and devices via a switch when leaving the house. Very convenient. Extremely comfortable. Very energy efficient. The setting of these scenes is as easy as can be – to suit the mood or situation.

Open for new ideas
With ABB-free@home® everyone can determine for themselves how they want to use the smart living technol-ogies. Both individual functions, such as heating or control of blinds, or a combination of different functions can be implemented. Over the course of time the system can also be flexibly extended, if one so desires. Freedom of choice at all times.

Blind

Light

Heating

Air-conditioning

Door communication

Total networking
Blinds, lights, heating, air-conditioning, door communication

Comfortable right from the start. It begins with commissioning and continues later when used as a part of daily life. With ABB-free@home® and Zenit all applications in and around the house are amazingly easy to combine.

Blinds

Whether blind, roller blind, awning or roller door – with ABB-free@home®, sun protection and energy-saving could not be easier. Opening and closing, as well as adjustment of slats can be automated and controlled with switches, ABB-free@homeTouch (two sizes are available: 7" and 4.3") or the app for smartphone or tablet. In addition, a weather station for protection during a storm, a timer or astro function can be used. It automatically adjusts the blind according to sunrise and sunset. The relevant data are combined in the System Access Point and are precisely implemented. The panel displays a comprehensive overview of all measured values and time settings.

- Provides numerous control options, dependent on brightness, temperature, rainfall and wind speed
- Shows weather data on the smartphone, tablet and display
- Reliably protects blinds and awnings against the effects of weather
- Optimises energy efficiency

Weather station
One thing is certain: the weather cannot be precisely predicted. The weather station records the brightness, temperature, rain and wind speed outside the home. Weather data are sent immediately and linked with actuators to automatically control functions. All important data are clearly displayed in the ABB-free@home® app.

Blind switch
Ready for all operating modes. With either a short or long press of the button for roller blinds, exterior blinds or awnings as well as adjustment of slats. In combination with a wind sensor, the roller blinds, exterior blinds and awnings close up completely and are locked during high wind conditions.

For a reassuring feeling. The various modules interact smoothly with one another, providing extra comfort, safety and efficiency. Every detail is aesthetically lit up, in all locations, both outside and inside the home.

Door communication
The ABB-Welcome door communication system can be integrated into ABB-free@home®. The door communication and home automation can be used together with ABB-free@homeTouch 7". For example, the light switches on when the doorbell rings to see visitors more clearly. And for reasons of safety, the video camera records pictures of visitors at the door when no one is home.

Pictures shown on the display
Practical and convenient. The pictures recorded by the video camera can be displayed on the tablet or smartphone via the ABB-Welcome app. This allows visitors who ring the bell to be recognised even when you are not at home (requires the ABB-Welcome IP gateway and ABB-Welcome outdoor video station).

- Large touch display (7", 17.8 cm), to recognise who is at the door
- Easy operation keys for opening doors, mute function and light
- Integrated picture memory
- Configuration of "Welcome scenes" when a visitor rings the bell or the door is opened

Smart control via app and voice
Smartphone or tablet becomes the central control unit of the door commu-nication. The ABB-Welcome app also makes remote control via the Internet possible. This makes communication possible with all visitors. Now you are at home everywhere.

Philips hue LEDs
Simply integrate the Philips hue LEDs into the system and control them via ABB-free@home®. This allows hue lamps to be comfortably controlled via a switch on the wall, or in a scene together with other lamps, even when the smartphone or tablet is not available.

Light control
Life begins with light. With ABB-free@home® it can be optimally used, whether for illuminating individual rooms or the entire house. For example, with striking light scenes – for different moods and to suit the occasion. A pleasant side effect here is the cost-saving and environmentally friendly use of energy.

• Easy to adjust light scenes
• Central or remote control
• Fast activation of emergency lighting
• Support of energy efficiency
• Flexible use
• Philips hue LED integration
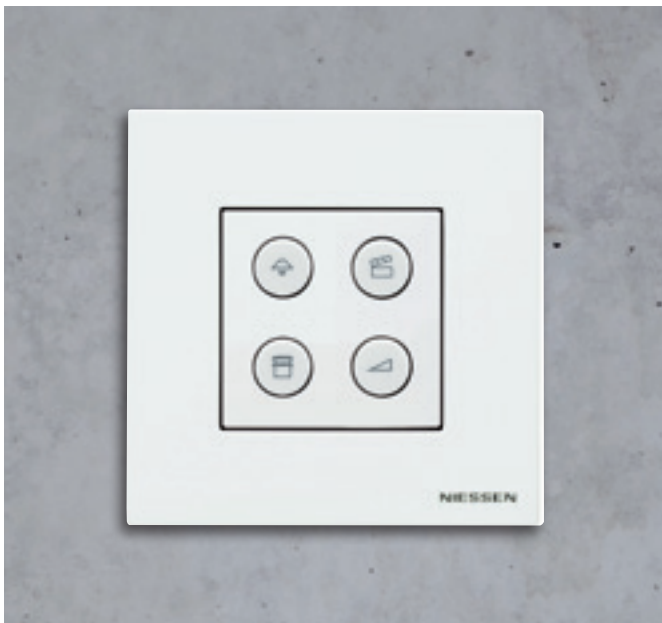
Dimmer and movement detector
With ABB-free@home®, rooms or entire buildings can be illuminated according to your requirements. Each situation receives suitable light – whether striking light scenes or emergency lighting. All lights are switched on at once.

Pleasantly economical. The ideal room temperature throughout the day and night is the result of precise control. ABB free@home® connects all components for a fine-tuned indoor climate.

Heating and air-conditioning
Comfortable and energy-saving. The optimum room temperature can be adjusted with ABB-free@home® according to the actual requirement. In ECO mode, the temperature is automatically lowered at night or when no one is home. The heating can be automatically shut off when the windows are open. This reduces the energy consumption – whether for conventional heaters or under-floor heating.

The ideal temperature is never the same. Depending on the time of the day, the room temperature controller provides your personal feel-good temperature. The heating valves are controlled wirelessly – with radio-controlled thermal actuating drives. The room temperature controllers can be integrated into the switch combination. And the window contacts are net-worked wirelessly as well. That is both smart and efficient.

Energy savings due to the individual control of heating depending on the time of day
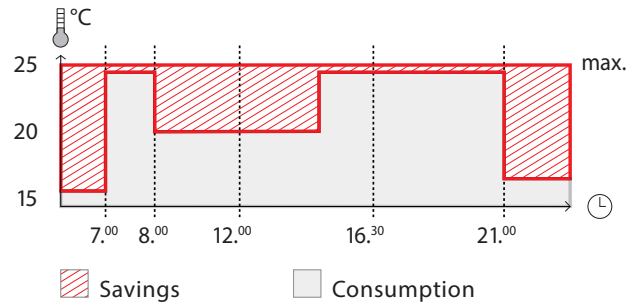
Intelligent thermostat

Radiator valve drives are the active components of individual room temperature control. They control all valves on the respective radiators. These drives use an electric motor to open or close the heating valves. They operate quietly and are not subject to movement-related wear. The ABB-free@home® network enables the finest nuances to be implemented, for the perfect climate at all times.

- Easy to retrofit
- No cooling or heating when windows are open

- Heating to suit individual requirements: depending on the daily routines instead of specific requirements
- For conventional heaters or under-floor heating
- Support of energy efficiency
- ECO mode
- Local operation or remote controlled via app for smartphone and tablet

THE SYSTEM

ABB-free@home® is easy to operate and at the same time flexible and adaptable to everyday situations or to those very special moments in life. And here, complete scenes can be played automatically or be set or called up spontaneously to suit the mood

Atmosphere at the press of a button
With a personal comfort scene

The perfect evening after a day at work. ABB-free@home® prepares a pleasant reception when arriving at home. With a colourful display of light and ambient room temperature. Precisely the right atmosphere for relaxing.

Philips hue LEDs
All functions of the Philips hue LEDs
can be integrated in a scene. In addition
to the brightness, the colour shade
can also be defined in a scene.
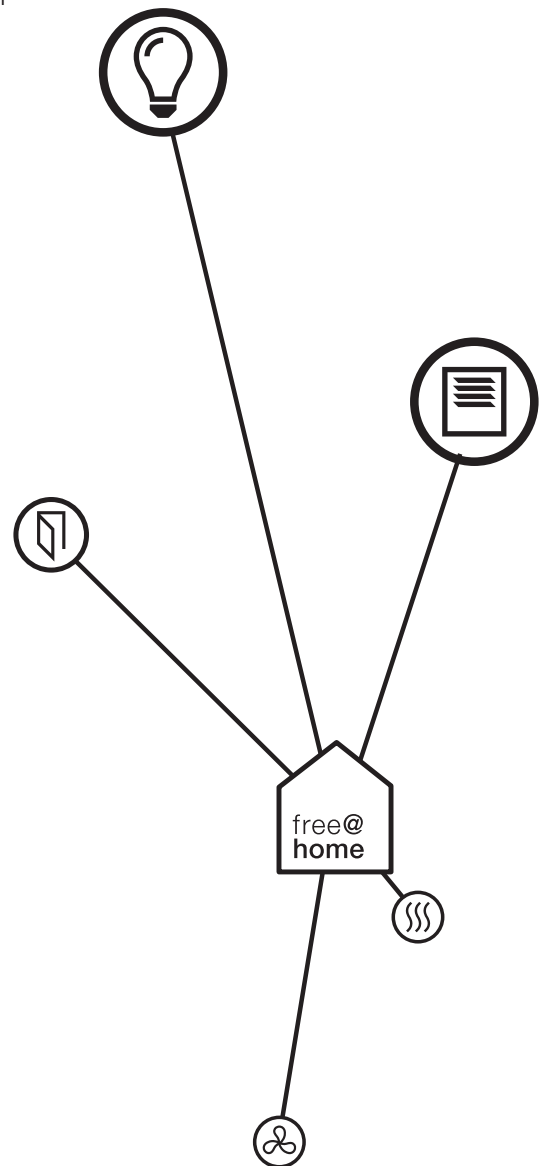
free@
home

Fast change of scene
A single press of the button on the switch, on the
ABB-free@homeTouch, smartphone or tablet suffices
to call up a complete scene. This, for example, allows
a living room to be transformed in a matter of seconds
to suit an occasion – for welcoming guests or for a
pleasant evening of relaxation.

Simple scene configuration
To create or change your own individual scenes is child's
play with ABB-free@home®. An intelligent assistance
wizard helps to put together the desired functions. This,
for example, allows the working light, cooker hood and
Internet radio to be simultaneously activated via a binary
output, while also dimming the light at the dinner table –
again with a press of a button.

Present and yet not at home
With presence simulation

Everything is in perfect order at home. Because ABB-free@home®
and Zenit brings life into rooms that are at times unoccupied. For this
the system stores the habits of the residents while they are at home
and then calls them up during their absence.

- Free app for iOS and Android devices
- Integrated picture memory
- Easy remote control via myABB-LivingSpace
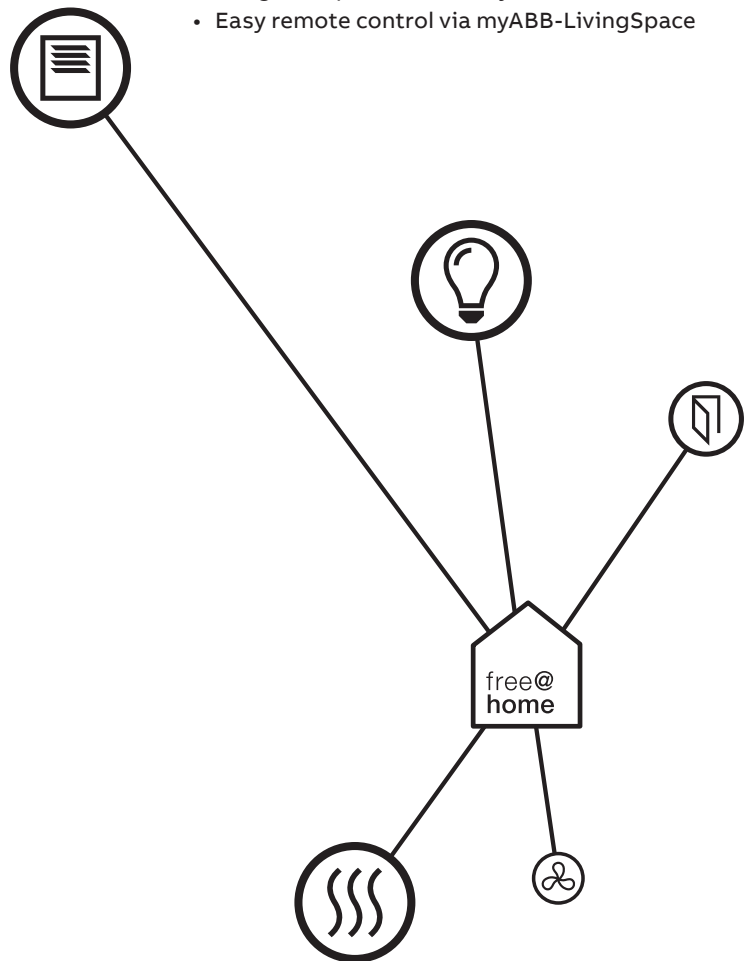
free@
home

Remote control for everything
Always a good feeling. The presence simulation of
ABB-free@home® records the weekly sequence of the
devices. This means that it's response is completely
the same whether the residents are present or absent.
Whether on a business trip, on holiday or while shopping
around the corner. With the app on the smartphone,
remote control and a safety check of the entire home is
possible from anywhere in the world.

Automatic protection against wind
During windy weather and storms, ABB-free@home®
together with a conventional weather station ensures
blinds are automatically raised. This prevents damage
such as buckling of the slats or broken window panes.
This function is of particular benefit during one's
absence because weather can change unexpectedly.

A complete overview
Always in the know about what is happening at home. With the ABB-free@home® app you can check at any time whether all the windows are closed or if someone has forgotten to switch off the lights. Also practical is the single, unified account for ABB-Welcome and ABB-free@home®.

myABB-LivingSpace

Everything controllable
Via the connection to the myABB-LivingSpace portal, most functions of ABB-free@home® can now be controlled and activated via remote control. This makes it possible to maintain control – even while on holiday, with maximum protection of one's privacy. Those who do not use a remote control can operate their ABB-free@home® system from the cloud.

Everything off with a single function
A reassuring feeling

The simplest type of switch-off. ABB-free@home® offers this with the everything-off function. It is especially practical when leaving the house. It simultaneously switches off all networked devices in all rooms.

Rest assured

In principle the everything-off function works just like a preset scene. In this case all networked devices are simultaneously switched off in all rooms. Aside from improving safety, this also improves energy efficiency. The everything-off function is especially practical at the bedside. Before falling asleep the entire lighting in the house can be switched off with just a press of a button. A very practical function that adds comfort and safety.
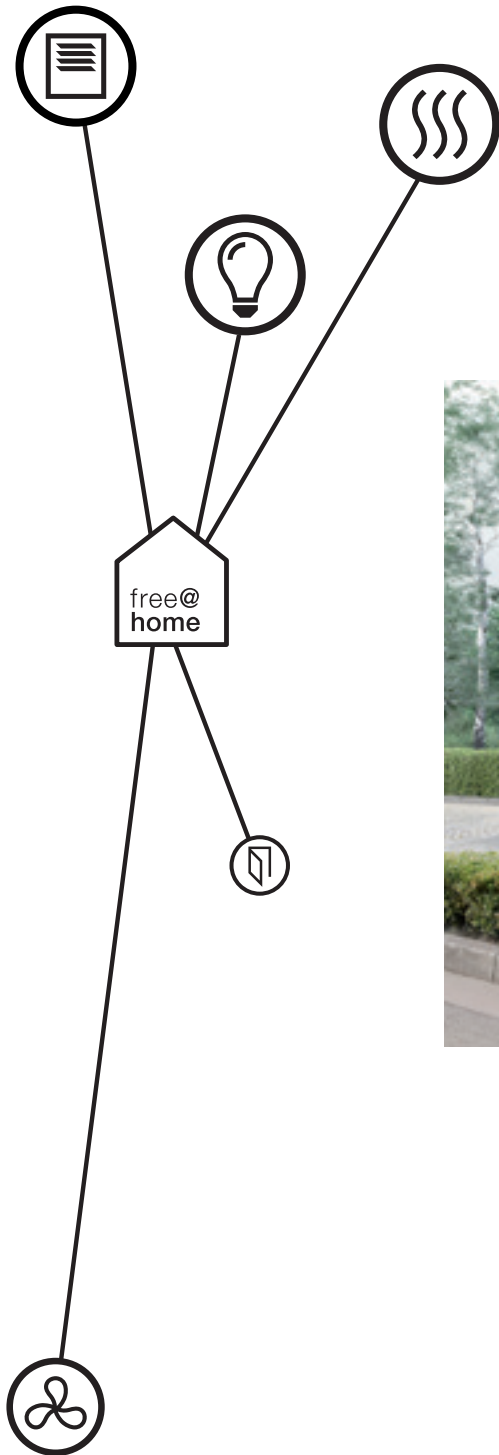
Pre-programmed everything-off switch
Easy to operate

Near and far
The central switch for the everything-off function can be
located on the wall near the front door and, of course,
at any other location in the house. And for mobile use it
can be displayed in the app on the smartphone or tablet.

Easy to use
A variety of control options

The new independence. Creating the perfect indoor climate or ideal illumination can now be done via flexible and precise remote control – with the touch of a finger or voice commands. Operation as simple as desired.
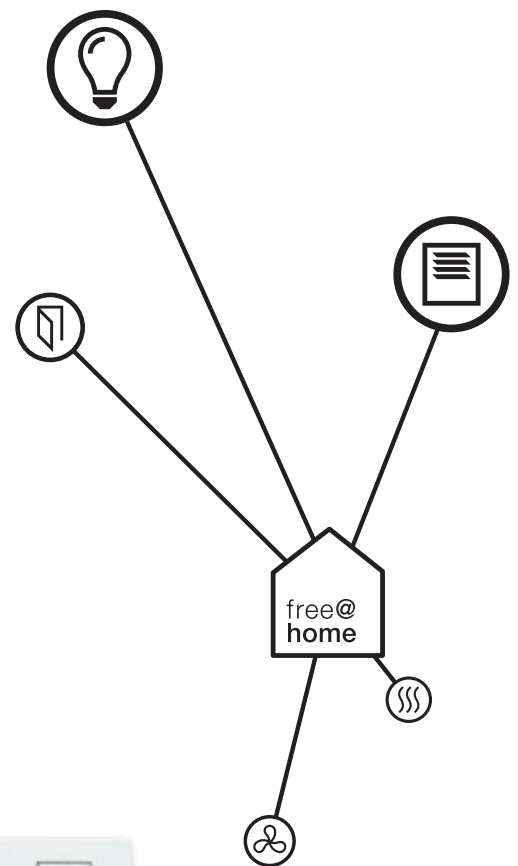
ABB-free@homeTouch
Thanks to its two different colours (black and white) and its two different sizes (7" and 4.3"). Offers up to 16 functions, and intuitive operation via tapping or swiping. Easy to set up and even easier to operate – plus making adjustments is a snap.

The modern switch
The easiest operation is the one everyone is used to. And today's wall switch is always in the right place. This is especially so because the wireless version makes additional cabling unnecessary. Switches are the better performers.
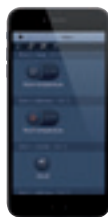
"Switch on the ceiling light in the living room."

"Okay. The light 'ceiling light' in the living room has been switched on."

Tablet and smartphone
The operating concept provides the highest flexibility and mobility because everyone has the choice to control the functions also mobile via the smartphone or tablet. And thanks to the ABB-free@home® app, also with the tip of the finger while travelling. Easier than ever.

Voice control
The intelligent voice control makes the ABB-free@home® app respond to every word. If you say "Switch the ceiling light on", the system will ask "Do you mean the 'ceiling light' in the kitchen, in the living room or in the bathroom?". Very handy if you don't feel like getting up at the moment.

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Zenit

Sensors

Product	Article-No.	Order-No.	Pack/Qty
	free@home Sensor unit 1-gang - 2M For sending switching, dimming and blind commands to an ABB-free@home® actuator. To be used with ABB-free@home® 2 fold push buttons. Control element: Switch contacts top/ bottom. Display elements: LED as light for orientation or display of switching state. Protection class of device: IP 20. Mounting depth: 14,1 mm. To be installed with SR-2-N2 cover plates.		
	SU-F-1.0.PB.1 2CKA006220A0222		1
	free@home Sensor unit 2-gang - 2M For sending switching, dimming and blind commands. to an ABB-free@home® actuator. To be used with ABB-free@home® 4 fold push buttons. Control element: Switch contacts top/ bottom. Display elements: LED as light for orientation or display of switching state. Protection class of device: IP 20. Mounting depth: 14,1 mm. To be installed with SR-4-N2 cover plates.		
	SU-F-2.0.PB.1 2CKA006220A0223		1

Sensor & switch actuators

Product	Article-No.	Order-No.	Pack/Qty
	free@home Sensor/Switch actuator 1/1-gang - 2M For switching 230 V~ devices. With 1 integrated switch actuator. Switching function is available pre-configured. Use with ABB-free@home® 2 fold push buttons. Outputs: 1× normally open contact, potential free. Suitable for: resistive. Rated current: 10 A. Rated power: 2300 W. Suitable for: capacitive. Rated current: 10 AX. Protection class of device: IP 20. Mounting depth: 31,5 mm. To be installed with SR-2-N2 cover plates.		
	SSA-F-1.1.PB.1 2CKA006220A0232		1
	free@home Sensor/Switch actuator 2/1-gang - 2M For switching 230 V~ devices. With 1 integrated switch actuator. Switching function is available pre-configured. Use with ABB-free@home® 4 fold push buttons. Outputs: 1× normally open contact, potential free. Suitable for: resistive. Rated current: 10 A. Rated power: 2300 W. Suitable for: capacitive. Rated current: 10 AX. Protection class of device: IP 20. Mounting depth: 31,5 mm. To be installed with SR-4-N2 cover plates.		
	SSA-F-2.1.PB.1 2CKA006220A0233		1

Sensor & switch actuators

Product	Article-No.	Order-No.	Pack/Qty
	free@home Sensor/Switch actuator 2/2-gang - 2M For switching 230 V~ devices. With 1 integrated switch actuator. Switching function is available pre-configured. Use with ABB-free@home® 4 fold push buttons. Outputs: 2× normally open contact, potential free. Suitable for: resistive. Rated current: 10 A. Rated power: 2 x 1200 W. Suitable for: capacitive. Rated current: 10 AX. Protection class of device: IP 20. Mounting depth: 31,5 mm. To be installed with SR-4-N2 cover plates.		
	SSA-F-2.2.PB.1 2CKA006220A0234		1

Sensor & dimmer actuators

Product	Article-No.	Order-No.	Pack/Qty
	free@home Sensor/Dimmer actuator 1/1-gang - 2M For dimming 230 V~ loads. With integrated universal dimming. Actuator for controlling different lamps. The dimming function. Is available pre-configured. Use with ABB-free@home® 2 fold. Push buttons. Outputs: 1× dimming channel. Suitable for: 230 V incandescent lamps and low-voltage. Halogen lamps with conventional transformers or electronic. Transformers. Rated power: 10–180 W/VA. Suitable for: LEDi and energy-saving bulbs. Rated power: 2–80 W/VA. Protection class of device: IP 20. Mounting depth: 31,5 mm. To be installed with SR-2-N2 cover plates.		
	SDA-F-1.1.PB.1 2CKA006220A0235		1
	free@home Sensor/Dimmer actuator 2/1-gang - 2M For dimming 230 V~ loads. With integrated universal dimming actuator for controlling different lamps. The dimming function is available pre-configured. Use with ABB-free@home® 4 fold push buttons. Outputs: 1× dimming channel. Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformers. Rated power: 10–180 W/VA. Suitable for: LEDi and energy-saving bulbs. Rated power: 2–80 W/VA. Protection class of device: IP 20. Mounting depth: 31,5 mm. To be installed with SR-4-N2 cover plates.		
	SDA-F-2.1.PB.1 2CKA006220A0236		1

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Zenit

Sensor & blind actuators

Product	Article-No.	Order-No.	Pack/Qty
	free@home Sensor/Blind actuator 1/1-gang - 2M For controlling blind and awning motors. With integrated blind actuator. Blind function is available pre-configured. To be used with ABB-free@home® 2 fold push buttons. Outputs: 1× Change-over contacts/normally open contact, potential-bound. Rated power: 920 VA. Rated current: 4 A. Suitable for: Operating mode blind. Protection class of device: IP 20. Mounting depth: 31,5 mm. To be installed with SR-2-N2 cover plates.		
	SBA-F-1.1.PB.1	2CKA006220A0237	1
	free@home Sensor/Blind actuator 2/1-gang - 2M For controlling blind and awning motors. With integrated blind actuator. Blind function is available pre-configured. To be used with ABB-free@home® 4 fold push buttons. Outputs: 1× Change-over contacts/normally open contact, potential-bound. Rated power: 920 VA. Rated current: 4 A. Suitable for: Operating mode blind. Protection class of device: IP 20. Mounting depth: 31,5 mm. To be installed with SR-4-N2 cover plates.		
	SBA-F-2.1.PB.1	2CKA006220A0238	1

Room temperature controller

Product	Article-No.	Order-No.	Pack/Qty
	free@home Room temperature controller - 2M Room temperature control function for controlling commercially available valve drives or analogue valve drives (continuous controllers). With display of set-value temperature. Only to be used with ABB-free@home® Zenit cover plates for room thermostat. Display elements: LCD Display showing operation modes. Protection class of device: IP 20. Mounting depth: 17,9 mm. To be installed with CP-RTC-N2 or CP-RTC-FC-N2 cover plates.		
	RTC-F-1.PB	2CKA006220A0276	1

Motion sensor & actuators

Product	Article-No.	Order-No.	Pack/Qty
	free@home 180° motion sensor - 2M With select lens for detection with animal access. For automatic switching of ABB-free@home® actuators dependent on movement and brightness. To be used with ABB-free@home® Zenit cover plates for movement detector. Detection range: frontal 6 m, lateral 3 m. Detection angle: 180°. Brightness limit value: 1 – 500 lux. Protection class of device: IP 20. Mounting depth: 14.1 mm. To be installed with CP-MD-N2 cover plates.		
	MD-F-1.0.PB.1	2CKA006220A0229	1
	free@home 180° motion sensor/actuator - 2M With select lens for detection with animal access. Including an integrated actuator for switching 230 V~ devices. To be used with ABB-free@home® Zenit cover plates for movement detector. Outputs: 1× normally open contact, potential free. Suitable for: resistive. Rated current: 10 A. Rated power: 2300 W. Suitable for: capacitive. Rated current: 10 AX. Detection range: frontal 6 m, lateral 3 m. Detection angle: 180°. Brightness limit value: 1 – 500 lux. Protection class of device: IP 20. Mounting depth: 31.5 mm. To be installed with CP-MD-N2 cover plates.		
	MSA-F.1.1.PB.1	2CKA006220A0231	1

Zenit
Covers for sensors & actuators

Color	Article-No.	Order-No.	Pack/Qty
	Cover plate - free@home 1-gang sensors - 2M Cover plate for free@home sensors and sensor/ actuators with 1-gang sensors code: SU-F-1.0.PB.1, SSA-F-1.1.PB.1, SDA-F-1.1.PB.1 and SBA-F-1.1.PB.1. Included: 2 buttons without symbol.		
White	**SR-2-N2 BL**	2CLA222620N1102	5
Silver	**SR-2-N2 PL**	2CLA222620N1302	5
Anthracite	**SR-2-N2 AN**	2CLA222620N1802	5
Champagne	**SR-2-N2 CV**	2CLA222620N1902	5
	Cover plate - free@home 2-gang sensors - 2M Cover plate for free@home sensors and sensor/ actuators with 2-gang sensors code: SU-F-2.0.PB.1, SSA-F-2.1.PB.1, SSA-F-2.2.PB.1, SDA-F-2.1.PB.1 and SBA-F-2.1.PB.1. Included: 4 buttons without symbol.		
White	**SR-4-N2 BL**	2CLA222640N1102	5
Silver	**SR-4-N2 PL**	2CLA222640N1302	5
Anthracite	**SR-4-N2 AN**	2CLA222640N1802	5
Champagne	**SR-4-N2 CV**	2CLA222640N1902	5
	Cover plate - free@home RTC - 2M Cover plate with RTC symbols for free@home room temperature controler code RTC-F-1.PB.		
White	**CP-RTC-N2 BL**	2CLA224060N1102	5
Silver	**CP-RTC-N2 PL**	2CLA224060N1302	5
Anthracite	**CP-RTC-N2 AN**	2CLA224060N1802	5
Champagne	**CP-RTC-N2 CV**	2CLA224060N1902	5
	Cover plate - free@home fan coil control - 2M Cover plate with fan coil control symbols for free@ home room temperature controler code RTC-F-1.PB.		
White	**CP-RTC-FC-N2 BL**	2CLA225420N1102	1
Silver	**CP-RTC-FC-N2 PL**	2CLA225420N1302	1
Anthracite	**CP-RTC-FC-N2 AN**	2CLA225420N1802	1
Champagne	**CP-RTC-FC-N2 CV**	2CLA225420N1902	1
	Cover plate - free@home motion sensor - 2M Cover plate for free@home motion sensors and sensor/actuators code: MD-F-1.0.PB.1 and MSA-F.1.1.PB.1.		
White	**CP-MD-N2 BL**	2CLA224160N1102	5
Silver	**CP-MD-N2 PL**	2CLA224160N1302	5
Anthracite	**CP-MD-N2 AN**	2CLA224160N1802	5
Champagne	**CP-MD-N2 CV**	2CLA224160N1902	5

Buttons with symbols

Color	Article-No.	Order-No.	Pack/Qty
	free@home button with symbol Button with free@home symbol for sensor and sensor/actuator's cover plates code: SR-2-N2 and SR-4-N2. - SBL: light symbol. - SBB: blind symbol. - SBS: scene symbol. - SBD: dimmer symbol.		
White	**SBL-N2BL**	2CLA202610N1102	20
Gray	**SBL-N2GR**	2CLA202610N1402	20
White	**SBB-N2BL**	2CLA202620N1102	20
Gray	**SBB-N2GR**	2CLA202620N1402	20
White	**SBS-N2BL**	2CLA202630N1102	20
Gray	**SBS-N2GR**	2CLA202630N1402	20
White	**SBD-N2BL**	2CLA202640N1102	20
Gray	**SBD-N2GR**	2CLA202640N1402	20

Zenit

Touch displays

Color	Article-No.	Order-No.	Pack/Qty

ABB-free@homeTouch 7"
For the central control of up to 16 configurable
ABB-free@home® functions of type: switching,
dimming, blind, RTC, scene, Philips HUE.
Display of the video image of the outdoor station of
ABB-Welcome door entry system.
Suitable as room temperature controller extension unit (up to 8).
Surface mounting.
The bus can be connected via enclosed terminal block.
Display size / resolution: 17.8 cm (7") / 800 x 480
Consumer units: 11
Display elements: TFT Touch Display
Dimensions: (L x W x D): 155 mm x 218 mm x 29 mm
Programming only with bus voltage applied via the
web interface of the System Access Point.
The power is supplied by the ABB-Welcome system controller or
when using the ABB-free@home panel without an ABB-Welcome
system, a separate ABB 24 V- power supply is required.
Protection class (device): IP30
Temperature range (device): -5 °C to 40 °C

Color	Article-No.	Order-No.	Pack/Qty
White	**DP7-S-611**	2CKA008300A0356	1
Black	**DP7-S-625**	2CKA008300A0357	1

ABB-free@homeTouch 4.3"
For the central control of up to 16 configurable
ABB-free@home® functions.
For the display of configurable system messages. A configurable
primary function can be triggered with a multi-touch gesture.
Capacitive touch screen with closed glass surface.
With integrated room temperature controller and temperature sensor.
In connection with temperature sensor 6226/T the integrated
room temperature controller can be fitted with a remote sensor.
Suitable as room temperature controller extension unit (up to 8).
Requires additional ABB power supply 24 VDC.
Display size / resolution: 10.9 cm (4.3") / 480 x 854.
Mounting height: 8 mm.
Control element: freely programmable touch surfaces.
Display elements: LCD display
Bus voltage: 24 V-
Dimensions: (L x W x D): 104 mm x 143 mm x 53 mm
Programming only with bus voltage applied via the
web interface of the System Access Point.
Protection class (device): IP20
Temperature range (device): -5 °C to 40 °C

Color	Article-No.	Order-No.	Pack/Qty
White	**DP4-1-611**	2CKA006220A0119	1
Black	**DP4-1-625**	2CKA006220A0120	1

Flush mounting installation box
For flush-mounted in hollow-wall installation of the
ABB-free@homeTouch 4.3".
Windproof.
Installation dimensions (H x W x D):
82 mm. x 123 mm. x 50 mm.
Mounting depth: 50 mm.
Halogen free.

Color	Article-No.	Order-No.	Pack/Qty
Black	**DP4-F**	2CKA006220A0389	1

Temperature sensor
For use as remote sensor with ABB- free@
homeTouch 4.3".
Line type: H03 VV-F
Cable length: 4 m
Type: NTC 10 kohm.

	Article-No.	Order-No.	Pack/Qty
	DP4-T-1	2CKA006220A0721	1

System Access Point

Product	Article-No.	Order-No.	Pack/Qty

System Access Point - Wireless
For commissioning and remote control of the
ABB-free@home® system.
With integrated free@home wireless antenna.
With integrated free@home bus connection.
Allows the execution of astro and time programs.
Commissioning and remote control is executed via
the web interface or app.
No additional commissioning software is required.
Easy commissioning with WLAN ad-hoc mode.
WLAN modes switchable via local operation.
Connection to the home network via WLAN client
mode or via CAT cable.
The bus connection is provided via the enclosed bus terminal.
Display elements: LED for status display.
Rated voltage: 230 V~; 50/60 Hz.
Bus voltage: 24 V.
Dimensions: (L x W x D): 110 mm x 170 mm x 31 mm
Programming via the web interface of the System
Access Point.
Protection class (device): IP20
Temperature range (device): -5 °C to 45 °C

Product	Article-No.	Order-No.	Pack/Qty
	SAP-S-2	2CKA006200A0105	1

External antenna - Wireless
For use with System Access Point SAP-S-2 and SAP-S-127.2.
Feed the free@home wireless signal to the outside
when the internal antenna of the System Access
Point is shielded due to structural conditions.
With magnetic base.
Cable length: 1.5 m.

Product	Article-No.	Order-No.	Pack/Qty
	SAP-1-WL	2CKA006200A0100	1

Weather station

Product	Article-No.	Order-No.	Pack/Qty

Weather station
For recording and transmitting of brightness,
temperature, wind speed and rain.
Weather data can be linked with actuators to
automatically control functions.
Weather data can be visualized in the free@home
web interface and the free@home app.
Wind speed measuring range 2 - 30 m/s
The bus can be connected via enclosed terminal block.
Rated voltage: 110 V~ - 230 V~; 50/60 Hz.
Bus voltage: 24 V-
Inputs: 4
Temperature range (sensor):
Brightness limit value: 1 lux - 100000 lux
Dimensions: (L x W x D): 108 mm x 121 mm x 227 mm
Protection class (device): IP44
Temperature range (device): -20 °C to 55 °C

Product	Article-No.	Order-No.	Pack/Qty
	WS-1	2CKA006220A0390	1

Power supply

Product	Article-No.	Order-No.	Pack/Qty

Power supply
Power supply with integrated choke.
Fast diagnosis due to LED display for operational
readiness and errors.
The bus can be connected via enclosed terminal block.
Display elements: operational load/overload LED
Rated voltage: 127 V~ - 230 V~, +10 % / -15 %; 50/60Hz
Secondary: 30 V, +2 V / --2 V
Outputs: 1
Rated current: 640 mA
Protection class (device): IP20
Temperature range (device): -5 °C to 45 °C
Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm
Module width (DIN-rail): 4 MW

Product	Article-No.	Order-No.	Pack/Qty
	PS-M-64.1.1	2CDG510001R0011	1

Zenit

Binary inputs

Product	Article-No.	Order-No.	Pack/Qty
	Binary input 2-gang Conventional push-buttons or auxiliary contacts can be connected to 2 channels. The information of the contact scanning can be used for activating ABB-free@home® actuators or for recording status information. The contact polling voltage is made available from the binary input itself. Extension of the connecting cables possible by a maximum of 10 m. Flush-mounted device for installation in a 60 mm device box or distribution box. The bus can be connected via enclosed terminal block. Programming only with bus voltage applied via the web interface of the System Access Point. Bus voltage: 24 V Inputs: 2 Polling voltage: 20 V- Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C Dimensions: (L x W x D): 39 mm x 40 mm x 12 mm.		
	BI-F-2.0.1	2CDG510002R0011	1
	Binary input 4-gang Conventional push-buttons or auxiliary contacts can be connected to 4 channels. The information of the contact scanning can be used for activating ABB-free@home® actuators or for recording status information. The contact polling voltage is made available from the binary input itself. Extension of the connecting cables possible by a maximum of 10 m. Flush-mounted device for installation in a 60 mm device box or distribution box. The bus can be connected via enclosed terminal block. Programming only with bus voltage applied via the web interface of the System Access Point. Bus voltage: 24 V Inputs: 4 Polling voltage: 20 V- Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C Dimensions: (L x W x D): 39 mm x 40 mm x 12 mm		
	BI-F-4.0.1	2CDG510003R0011	1
	Binary input 4-gang The device detects AC/DC signals of 10 - 230 V via 4 channels. The information of the signal evaluation can be used for controlling ABB-free@home® actuators or for recording status information. The bus can be connected via enclosed terminal block. Programming only with bus voltage applied via the web interface of the System Access Point. Bus voltage: 24 V Inputs: 4 Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 36 mm x 64 mm Module width DIN-rail): 2 MW		
	BI-M-4.0.1	2CDG510004R0011	1

Switch actuators

Product	Article-No.	Order-No.	Pack/Qty
	Binary input 8-gang / switch actuator 8-gang Combination device with 8 binary inputs and 8 switch actuators. Conventional push-buttons or auxiliary contacts can be connected to 8 channels. The information of the contact scanning can be used for activating ABB-free@home® actuators or for recording status information. The contact polling voltage is made available by the device itself. Maximum cable length at a cable cross-section of 1.5 mm² < 100 m For switching 8 independent 230 V~ loads. No additional commissioning software is required. Programming only with bus voltage applied via the web interface of the System Access Point. Bus voltage: 24 V Inputs: 8 Polling voltage: 35 V- Outputs: 8 Normally Open contact, potential free Suitable for: AC1 (Output voltage: 230 V~) Rated current: 6 A, cos φ0.8 Suitable for: AC3 (Output voltage: 230 V~) Rated current: 6 A, cos φ0.45 Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64.5 mm Module width (DIN-rail): 8 MW.		
	SA-M-8.8.1	2CDG510007R0011	1
	Switch actuator 4-gang For switching 4 independent 127 V~/230 V~ loads. Each contact has a manual operation function independent of auxiliary voltage for additionally displaying the contact setting. The bus can be connected via enclosed terminal block. Control element: relay control element. Display elements: relay control element. Programming only with bus voltage applied via the web interface of the System Access Point. Power dissipation: 4 W Bus voltage: 24 V Outputs: 4 Suitable for: AC1 (Output voltage: 230 V~) Rated current: 16 A, cos φ0.8 Suitable for: AC3 Rated current: 8 A, cos φ0.45 Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Module width (DIN-rail): 4 MW.		
	SA-M-0.4.1	2CDG510006R0011	1

Zenit

Dimming actuator

Product	Article-No.	Order-No.	Pack/Qty
	Dimming actuator 4-gang Multi-channel universal dimming actuator for controlling LEDs, incandescent lamps, 230 V halogen lamps, low-voltage halogen lamps with conventional or electronic transformers, and dimmable energy-saving halogen lamps. For dimmable Retrofit-LEDs (LEDi). Increasing the max. load via channel bridging possible. The outputs can be switched parallel in any combination. Outputs automatically recognize the connected load. In addition, the operating mode can be selected manually. Status indication of the channels via LED. The bus can be connected via enclosed terminal block. Display elements: outputs status indication via LED. Programming only with bus voltage applied via the web interface of the System Access Point. Rated voltage: 230 V~; 50/60 Hz Bus voltage: 24 V Outputs: 4 dimming channel Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformer. Rated power: 10 - 315 W/VA Suitable for: LEDi and energy-saving bulbs; typical Rated power: 2 - 80 W/VA Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm Module width (DIN-rail): 8 MW.		
	DA-M-0.4.2	2CKA006220A0395	1

Blind actuator

Product	Article-No.	Order-No.	Pack/Qty
	Blind actuator 4-gang For controlling 4 independent blind or roller shutter drives. The outputs are inversely blocked. The bus can be connected via enclosed terminal block. Programming only with bus voltage applied via the web interface of the System Access Point. Power dissipation: 2 W Bus voltage: 24 V Outputs: 4 Suitable for: AC3 (Output voltage: 230 V~) Rated current: 6 A, cos φ0.45 Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm Module width (DIN-rail): 4 MW.		
	BA-M-0.4.1	2CDG510011R0011	1

Heating & fan coil actuators

Product	Article-No.	Order-No.	Pack/Qty
	Heating actuator 6-gang For controlling thermoelectric actuating drives in heating/cooling systems. The outputs are protected against short-circuit and overload. The bus can be connected via enclosed terminal block. Programming only with bus voltage applied via the web interface of the System Access Point. Power dissipation: 2 W Bus voltage: 24 V Outputs: 6 Suitable for: resistive Rated current: 160 mA Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C. Dimensions: (L x W x D): 90 mm x 72 mm x 64 mm. Module width (DIN-rail): 4 MW.		
	HA-M-0.6.1	2CDG510008R0011	1
	Heating actuator 12-gang For controlling thermoelectric actuating drives in heating/cooling systems. The outputs are protected against short-circuit and overload. The bus can be connected via enclosed terminal block. Programming only with bus voltage applied via the web interface of the System Access Point. Power dissipation: 4 W Bus voltage: 24 V Outputs: 12 Suitable for: ohmic Rated current: 160 mA Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C Dimensions: (L x W x D): 90 mm x 144 mm x 64 mm. Module width (DIN-rail): 8 MW.		
	HA-M-0.12.1	2CDG510009R0011	1
	Fan coil actuator For controlling blower convectors. Supports 2-pipe and 4-pipe system for heating and cooling. The fan speed levels can be switched using a changeover or step switch function. Three contacts for switching a three-stage fan. Two contacts for activating the heating and cooling valves. Supports 24V and 230V valves. With two binary inputs for connecting dew-point and condensation contacts. The scanning voltage is provided by the device. The bus connection is provided via the enclosed bus terminal. Programming only with bus voltage applied via the web interface of the System Access Point. Bus voltage: 24 V Inputs: 2 Polling voltage: 10 V- Outputs: 3 Normally Open contact, potential free Suitable for: AC3 (Output voltage: 230 V~) Rated current: 6 A Protection class (device): IP20 Temperature range (device): -5 °C to 45 °C. Dimensions: (L x W x D): 90 mm x 108 mm x 64.5 mm. Module width (DIN-rail): 6 MW.		
	FCA-M-2.3.1	2CDG510010R0011	1

Zenit & ABB i-bus® KNX
Details and solutions for intelligent building control

KNX brings your home to life. Convinient, safe and with foresight.
The living room is comfortably warm on time, it stays nice and cool in the bedroom, the light matches the situation independently and the blinds adjust by themselves to the weather or time of day. Nice when comfort is easily taken for granted. With intelligent building networking from ABB.

SMART BUILDING

Rooms with intelligence. Modern building automation has become more efficient than ever in order to meet the many demands of people living and working in the building. Adaptable systems turn the modern functional building into a smart building. They create an environment in which communication and creativity can freely express themselves. Ideal for efficiency, perfect for the future

07

Zenit KNX
Suitable for every need

Zenit is based on a combinable concept which, creating a comprehensive range, is suitable for all needs. Optimising comfort, safety and efficiency in homes and buildings. Providing comfort solutions to satisfy all types of needs and projects. Ensuring safety and protection of persons and goods. Saving energy by using only the amount of energy required.

—
01 Switch Sensor
2gang KNX

—
02 Switch Sensor
4gang KNX

—
03 Switch Sensor
6gang KNX

—
04 Switch Sensor
6gang KNX with IR

—
05 Busch-Watchdog
180° KNX

—
06 Room Thermostat
KNX

—
01

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02

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03

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04

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05

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06

—
Zenit offers two different mounting plates for
KNX sensors, corresponding to different
market standards: Square boxes with 60 mm.
distance between screws and rectangular
boxes with 83,5 mm. distance between screws.

- Multiple functions:
  switching, dimming, blinds sending
  values, scenes, etc.
- Incl. 10 logic channels
- Sequence actuator
- Logic gates
- Control element: switch contacts
- Display elements: LED to indicate
  the function

SMART BUILDING

The perfect connection. A pleasant and productive environment is created with building automation that functions as a holistic system and combines various functions. For today and tomorrow

—

Zenit
Sensors

Product	Article-No.	Order-No.	Pack/Qty
	KNX sensor - 1/2-gang - 2M For ABB i-bus® KNX. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The accompanying symbol can be replaced by the symbols for lighting, blinds, room thermostat, szene and FanCoil. Push switch function: switching / dimming / blind / sending values / scenes etc. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Control element: Switch contacts. Display elements: LED to indicate the function. Temperature range (Device): -5 °C to 45 °C. To be installed with N2221.2 cover plates.		
	6125/98-509	2CKA006115A0444	1
	KNX sensor - 2/4-gang - 2M For ABB i-bus® KNX. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The accompanying symbol can be replaced by the symbols for lighting, blinds, room thermostat, szene and FanCoil. Push switch function: switching / dimming / blind / sending values / scenes etc. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Control element: Switch contacts. Display elements: LED to indicate the function. Temperature range (Device): -5 °C to 45 °C. To be installed with N2221.4 cover plates.		
	6126/98-509	2CKA006116A0219	1
	KNX sensor - 3/6-gang - 2M For ABB i-bus® KNX. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The accompanying symbol can be replaced by the symbols for lighting, blinds, room thermostat, szene and FanCoil. Push switch function: switching / dimming / blind / sending values / scenes etc. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Control element: Switch contacts. Display elements: LED to indicate the function. Temperature range (Device): -5 °C to 45 °C. To be installed with N2221.6 cover plates.		
	6129/96-509	2CKA006118A0105	1

Product	Article-No.	Order-No.	Pack/Qty
	KNX sensor - 3/6-gang with IR receiver - 2M For ABB i-bus® KNX. Support of KNX functions through innovative colour concept (yellow=lighting, blue=blind, orange=RTC, magenta=scene and white=neutral/no function assigned) or standard illumination red/green. The accompanying symbol can be replaced by the symbols for lighting, blinds, room thermostat, szene and FanCoil. Push switch function: switching / dimming / blind / sending values / scenes etc. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Control element: Switch contacts. Display elements: LED to indicate the function. Temperature range (Device): -5 °C to 45 °C. To be installed with N2221.7 cover plates.		
	6129/98-509	2CKA006118A0108	1

Room temperature controller
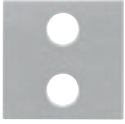
Product	Article-No.	Order-No.	Pack/Qty
	KNX room temperature controller - 2M For ABB i-bus® KNX. Control element with room thermostat function for triggering the heating, ventilation and fan-coil actuators. The controller is a thermostat for Fan Coil units in 2 - and 4-pipe systems and conventional heating or cooling systems. The fan stage can be switched manually or in automatic mode. Incl. 10 logic channels (light scene actuator, sequence actuator, logic gates, etc.). Switch contacts for operating mode selection and dial for setpoint or fan speed adjustment. Display elements: LCD showing operation modes. Temperature range (Device): -5 °C to 45 °C. To be installed with N2240.4 cover plates.		
	6124/98-509	2CKA006134A0297	1
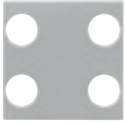
Motion sensor
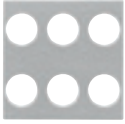
Product	Article-No.	Order-No.	Pack/Qty
	KNX 180° motion sensor - 2M For ABB i-bus® KNX. Movement detector with up to 4 channels. Protection class (Device): IP 20. Temperature range (Device): -5 °C to 45 °C. Detection range: frontal: 6 m, lateral: 6 m. Brightness limit value: 5 Lux - 150 Lux. Detection angle: 180 ° Dimensions: (L x W x D): 53 mm x 44 mm. Position for installation: vertical. Mounting height: 1.1 m. To be installed with N2241.4 cover plates.		
	6122/98-509	2CKA006132A0307	1

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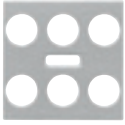
Zenit
Covers for sensors

Color	Article-No.	Order-No.	Pack/Qty
Cover plate - KNX 1/2-gang sensors - 2M Cover plate for KNX sensors 1/2-gang code: 6125/98-509.			
White	**N2221.2 BL**	2CLA222120N1102	1
Silver	**N2221.2 PL**	2CLA222120N1302	1
Anthracite	**N2221.2 AN**	2CLA222120N1802	1
Champagne	**N2221.2 CV**	2CLA222120N1902	1

Color	Article-No.	Order-No.	Pack/Qty
Cover plate - KNX RTC - 2M Cover plate for KNX RTC sensors code: 6124/98-509.			
White	**N2240.4 BL**	2CLA224040N1102	1
Silver	**N2240.4 PL**	2CLA224040N1302	1
Anthracite	**N2240.4 AN**	2CLA224040N1802	1
Champagne	**N2240.4 CV**	2CLA224040N1902	1

Color	Article-No.	Order-No.	Pack/Qty
Cover plate - KNX 2/4-gang sensors - 2M Cover plate for KNX sensors 2/4-gang code: 6126/98-509.			
White	**N2221.4 BL**	2CLA222140N1102	1
Silver	**N2221.4 PL**	2CLA222140N1302	1
Anthracite	**N2221.4 AN**	2CLA222140N1802	1
Champagne	**N2221.4 CV**	2CLA222140N1902	1

Color	Article-No.	Order-No.	Pack/Qty
Cover plate - KNX RTC - 2M Cover plate for KNX RTC sensors code: 6124/98-509.			
White	**N2241.4 BL**	2CLA224140N1102	1
Silver	**N2241.4 PL**	2CLA224140N1302	1
Anthracite	**N2241.4 AN**	2CLA224140N1802	1
Champagne	**N2241.4 CV**	2CLA224140N1902	1

Color	Article-No.	Order-No.	Pack/Qty
Cover plate - KNX 3-gang sensors - 2M CCover plate for KNX sensors 3/6-gang code: 6129/96-509.			
White	**N2221.6 BL**	2CLA222160N1102	1
Silver	**N2221.6 PL**	2CLA222160N1302	1
Anthracite	**N2221.6 AN**	2CLA222160N1802	1
Champagne	**N2221.6 CV**	2CLA222160N1902	1

Buttons with symbols

Color	Article-No.	Order-No.	Pack/Qty
KNX button with symbol **Button with ABB i-bus® KNX symbol for sensor's cover plates code: N2221.2, N2221.4, N2221.6 and N2221.7.** - 6123/20-500: light symbol. - 6123/21-500: blind symbol. - 6123/22-500: scene symbol. - 6123/23-500: RTC symbol. - 6123/24-500: ceiling light symbol. - 6123/26-500: fan coil symbol.			
Gray	**6123/20-500**	2CKA006123A0001	1
Gray	**6123/21-500**	2CKA006123A0002	1
Gray	**6123/22-500**	2CKA006123A0003	1
Gray	**6123/23-500**	2CKA006123A0004	1
Gray	**6123/24-500**	2CKA006123A0005	1
Gray	**6123/26-500**	2CKA006123A0006	1

Color	Article-No.	Order-No.	Pack/Qty
Cover plate - KNX 3-gang sensors with IR - 2M Cover plate for KNX sensors 3/6-gang with IR receiver code: 6129/98-509.			
White	**N2221.7 BL**	2CLA222170N1102	1
Silver	**N2221.7 PL**	2CLA222170N1302	1
Anthracite	**N2221.7 AN**	2CLA222170N1802	1
Champagne	**N2221.7 CV**	2CLA222170N1902	1

Diagrams & dimensions

Thinking of making your job easier. We create these supports to optimize your time. We provide all the technical information, diagrams and dimensions of each of our products in a clear and precise manner to facilitate understanding.
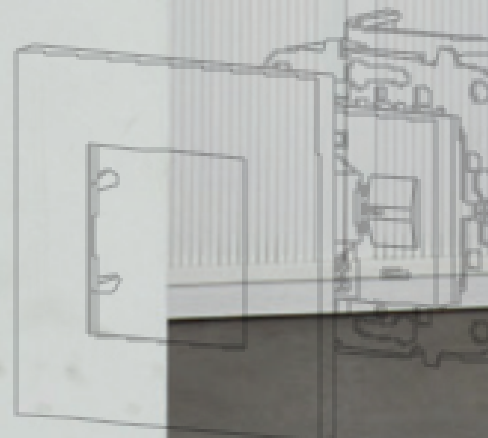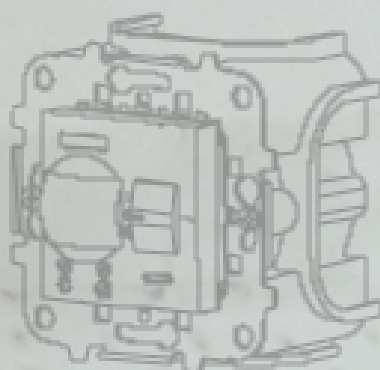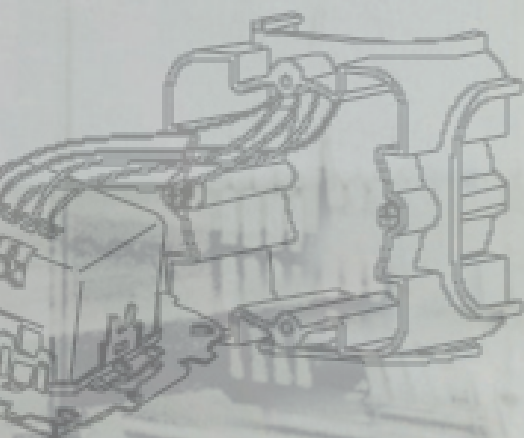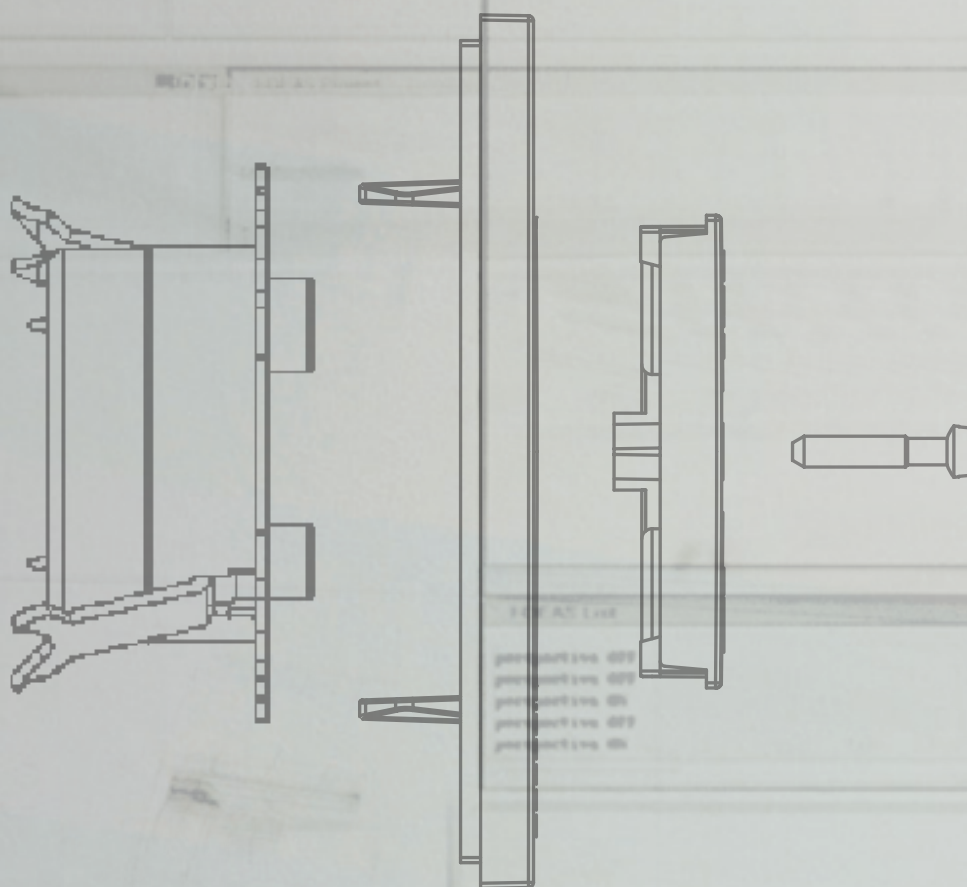
Switches
Optional: locator light

With indicator light

1-way switch

N2101 XX
N2201 XX
N2801 XX
N2301 XX

LED lamp
N2191

Green

1-way switch with indicator light

N2101.5 XX
N2201.5 XX

LED lamp
N2192

Red

2-way switch

N2102 XX
N2202 XX
N2802 XX
N2302 XX

LED lamp
N2192

Red

2-way switch with indicator lamp

N2102.5 XX
N2202.5 XX

LED lamp
N2191

Green

2-way switch - Intermidiate switch - 2-way switch

LED lamp
N2192

Red

N2102 XX	N2110 XX	N2102 XX
N2202 XX	N2210 XX	N2202 XX
N2802 XX	N2810 XX	N2802 XX
N2302 XX	N2310 XX	N2302 XX

Push-buttons
Optional: locator light

Push-buttons

N2104.X XX
N2204.X XX

LED lamp
N2191

Green

1-way double pole switch

N2101.2 XX
N2201.2 XX

LED lamp
N2192

Red
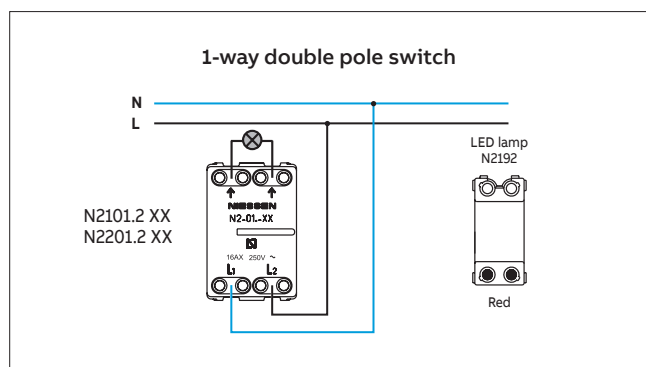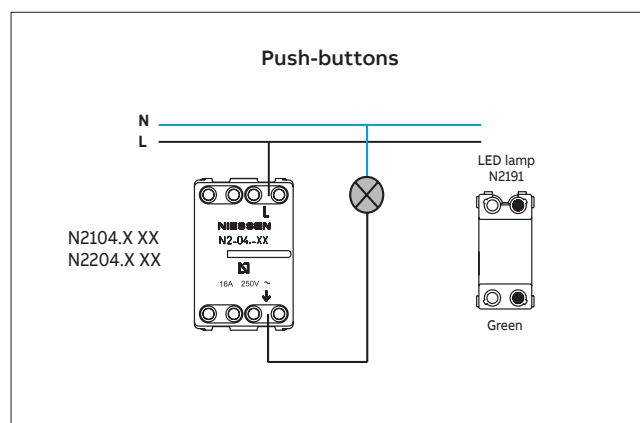
Push-buttons

With locator or indicator light

Push-button with indicator lamp

N
L

N2104.5 XX
N2204.5 XX

LED lamp
N2192

Red

Push-button for buzzer / bell with locator lamp

N
L

Buzzer
Bell

LED lamp
N2192

N2104.5 XX
N2204.5 XX

Red

Push-button for relay with locator lamp

N
L

LED lamp
N2192

N2104.5 XX
N2204.5 XX

Red
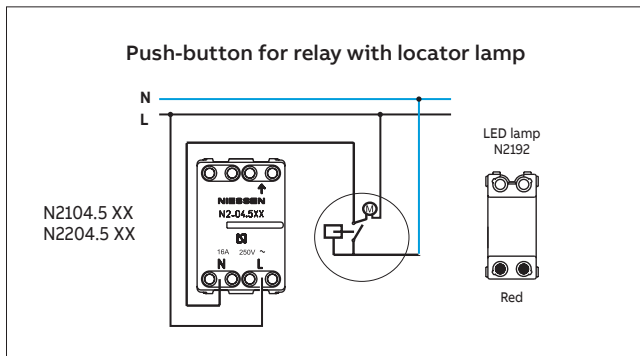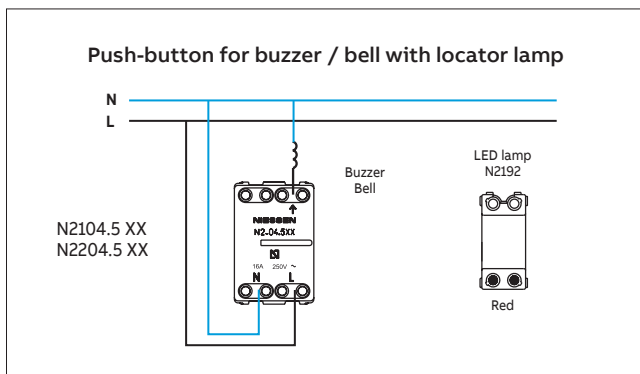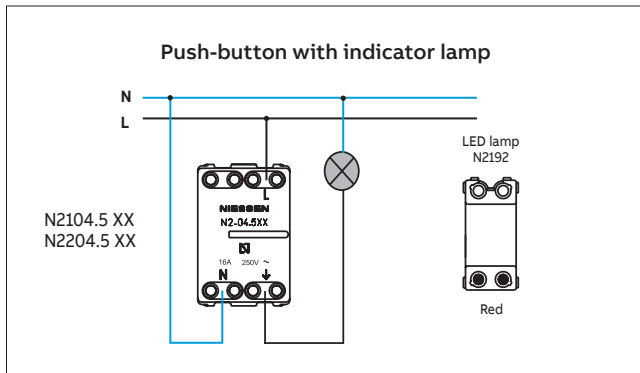
Card switch

With locator light

Card switch

N
L

N2104.5 XX
N2204.5 XX
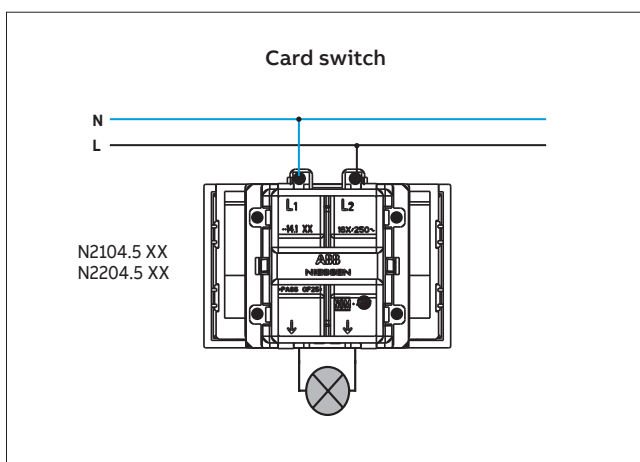
Card timer switch

With locator light

1- Technical Data

Power Supply: 127 V~ / 60 Hz
230 V~ / 50 Hz

Night orientation: By a red LED
Operating Tº: 0° C +40° C

Maximum power:
127 V~ / 60 Hz:
☀1600 W, ▥1600 W, ▱1600 W, Ⓜ1600 W, ═700 W
230 V~ / 50 Hz:
☀3000 W, ▥3000 W, ▱3000 W, Ⓜ1600 W, ═1300 W

2.- Mounting and connection scheme
2.1.- Mounting

2.2.- Connection

L
N

N2214.5
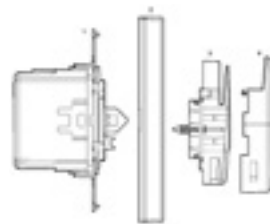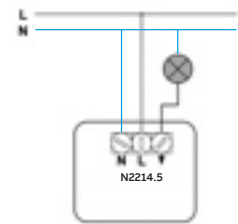
Important: Disconnect the electrical power when installing.

3.- Operation
Time selector for disconnection: The load time disconnection, after removing the card, can be programmed by the user through the rotary programme selector on the device cover.

–
+
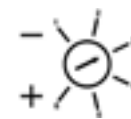
Disconection time selector

Option	Time until disconnection		Previous status	Current Status	Action
	50Hz	60Hz			
1.-	5 s.	4 s.	No card	Card detected	Connects load
2.-	10 s.	8 s.			
3.-	20 s.	16 s.			
4.-	30 s.	25 s.	Card detected	No card	Disconnects the load at preset time
5.-	60 s.	50 s.			
6.-	90 s.	75 s.			

Blind switch & push-button

Blind switch & push-button

N
L

M
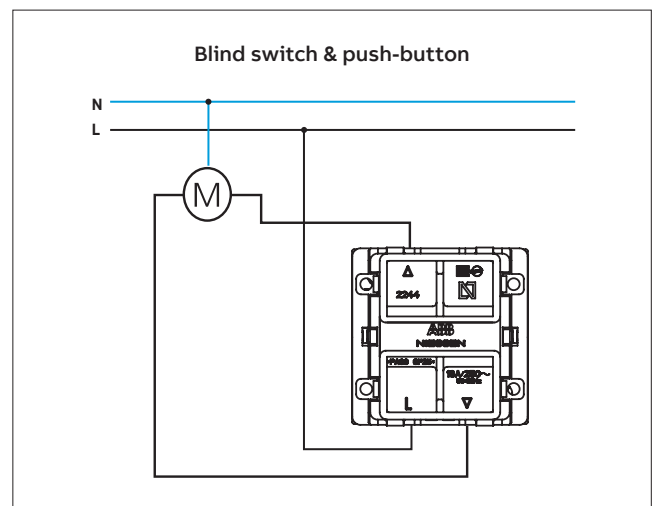
Electronic blind switch

N2261.2

Technical data:

- Power Supply: 230V~ 50Hz / 127V~ 60Hz
- Maximum power:
  - 230V~ 50Hz blind motors: 2x 700VA persianas (cos φ = 0,5)
  - 127V~ 60Hz blind motors: 2x 350VA persianas (cos φ = 0,5)
- Room temperature for operation: 0°C to 40°C
- According to: UNE-21806 y EN-55014

Functional features:

The electronic blind switch includes 3 modes of operation
(to be selected in the rotatory switch):
- P: standard blinds control. Optionally other N2244 inserts can be connected to the N2261.2 to control the blind from other locations.
- V: venetian type blinds control. Optionally other N2244 inserts can be connected to the N2261.2 to control the blind from other locations.
- C: centralization. One N2261.2 can control all the N2261.2 centrally.

Wiring diagram:

- Direct blind control with a N2261.2 (Fig. 1).
- Remote control of the N2261.2 lectronic blind control by using a blind push-button N2244 (Fig. 2).
- Centralized control of all the blind from one point by using a electronic blind switch N2261.2
  as master of the rest electronic blind switches N2261.2 (Fig. 3).
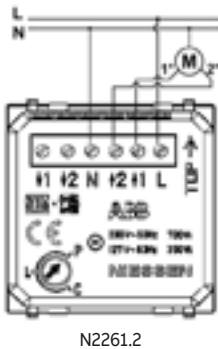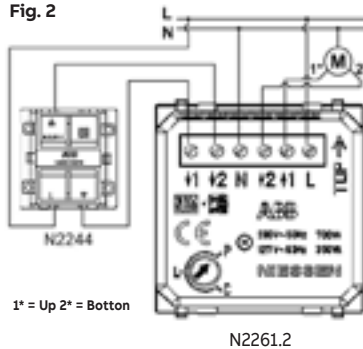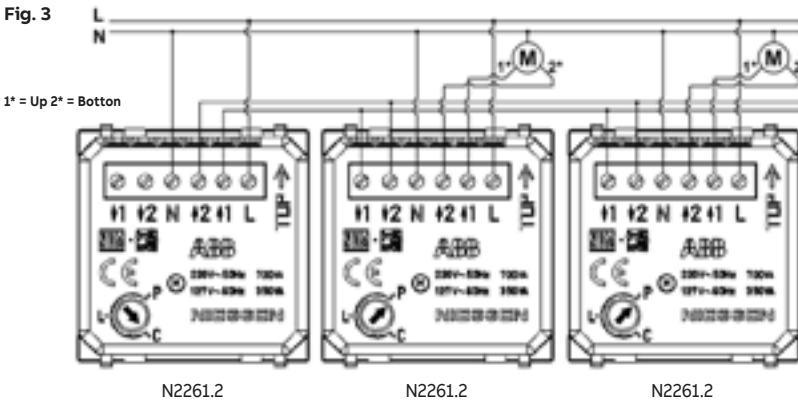
Mounting:

Follow the steps below to install the mechanism:
1. Connect the device according to the connection schemes. Figure 1, 2 or 3.
2. Assemble the device on the flush mounting box.
3. Then, place the plate.

Fig. 1

1* = Up 2* = Botton

N2261.2

Fig. 2

1* = Up 2* = Botton

N2244

N2261.2

Fig. 3

1* = Up 2* = Botton

N2261.2   N2261.2   N2261.2
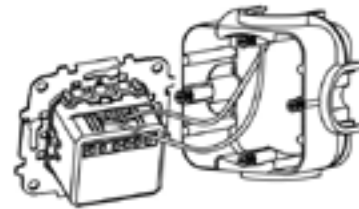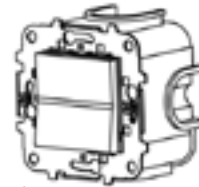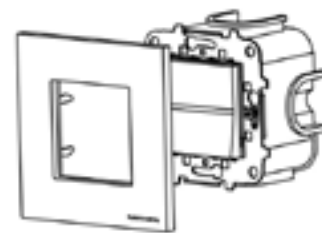
Operation:	Blind operating mode.	Slats or Venetian blinds operating mode.	Centralized operating mode.
Pulsation	**Action**	**Action**	**Action**
Short pulsation ▲ < 300ms	It raises the blind (3 min.), which was previously stationary. It stops the blind, which was previously moving.	It raises the blind (3 min.) which was previously stationary. It stops the blind, which was previously moving.	It raises the blinds (of those inserts connected), which were previously stationary. It stops the blinds, which were previously moving.
Short pulsation ▼ > 300ms	It lowers the blind (3 min.), which was previously stationary. It stops the blind, which was previously moving.	It lowers the blind (3 min.), which was previously stationary. It stops the blind, which was previously moving.	It lowers the blinds (of those inserts connected), which were previously stationary. It stops the blinds, which were previously moving.
Long pulsation ▲ < 300ms	Raises the blind while the pulsation lasts, which was previously stationary. It stops the blind, which was previously moving.	The slats rotates upwards in a pulsed way while the pulsation lasts, if the blind was previously stationary. If the pulsation lasts longer, the blind will raise for as long as the pulsation lasts. It stops the blind, which was previously moving.	It raises the blinds (of those connected mechanisms), which were previously stationary. It stops the blinds, which were previously moving.
Long pulsation ▼ > 300ms	It lowers the blind while the pulsation lasts, if it was previously stationary. It stops the blind, which was previously moving.	The slats rotates downwards in a pulsed way while the pulsation lasts, if the blind was previously stationary. If the pulsation lasts longer, the blind will raise for as long as the pulsation lasts. It stops the blind, which was previously moving.	It lowers the blinds (of those connected mechanisms), which were previously stationary. It stops the blinds, which were previously moving.

—

Key switches

2-way / 3 positions

Position 0   **Position 1**   **Position 2**

Example for a blind control:

L

N

N2153.1 XX

Pos 1

Pos 2

△ Go up

M

▽ Go down

L

N

N2253.1 XX   Common (A)

Pos. 1   Pos. 2

▽   M   △

Pos. 0

△   ▽
Pos. 1   Pos. 2

Position of the key	Active contacts
0	Common and 1
1	Common and 10
2	Common and 4
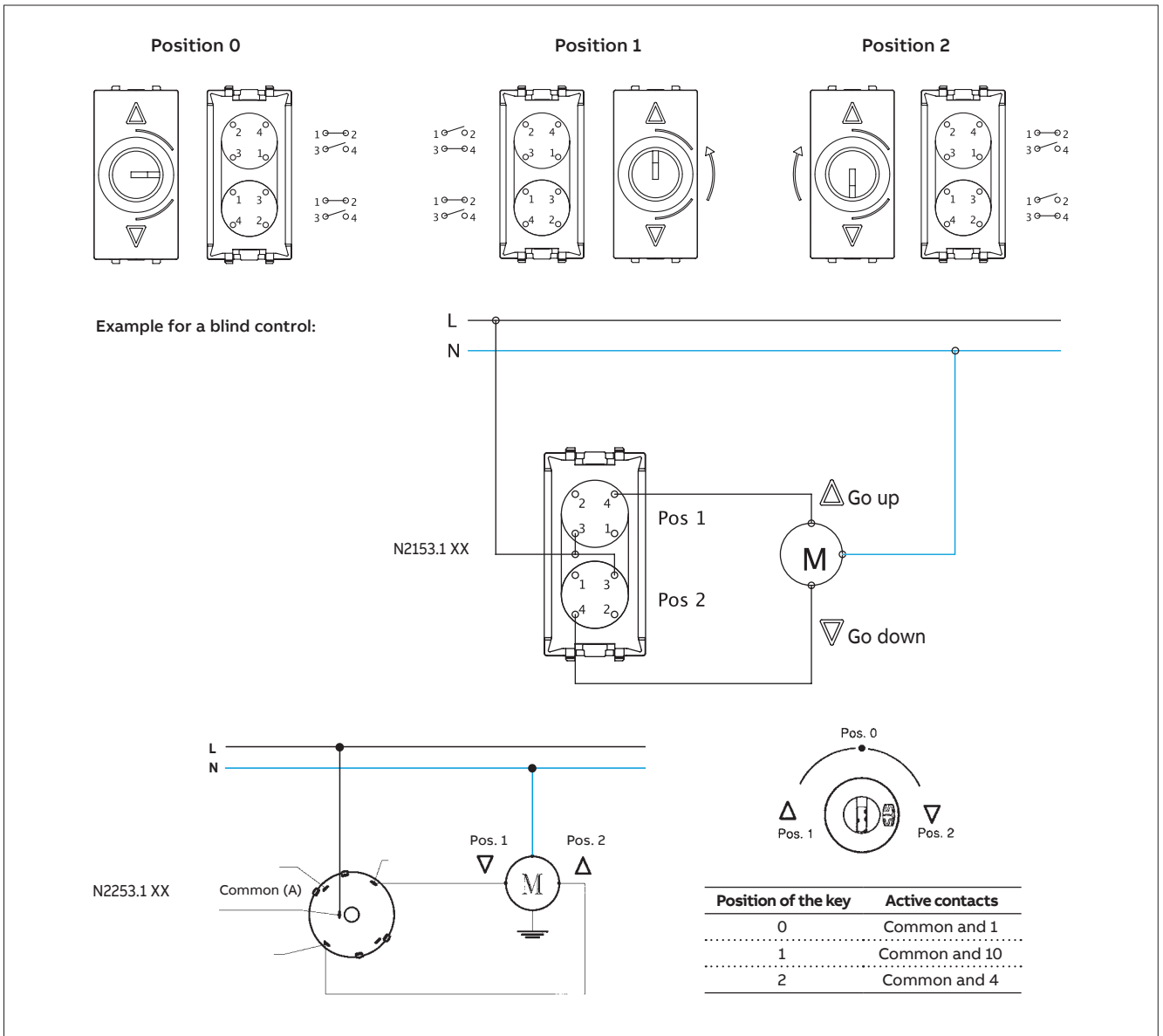
Key switches & push-buttons

1 or 2-way / 2 positions

Diagram as switch / push button
8153, N2253 / 8153.2, N2253.2

Scheme as a switch

L
N

Com   1

Pos. 1   Pos. 2

L
N

Com   1

Position of the key	Active contacts
1	Common and 1
2	Common and 2
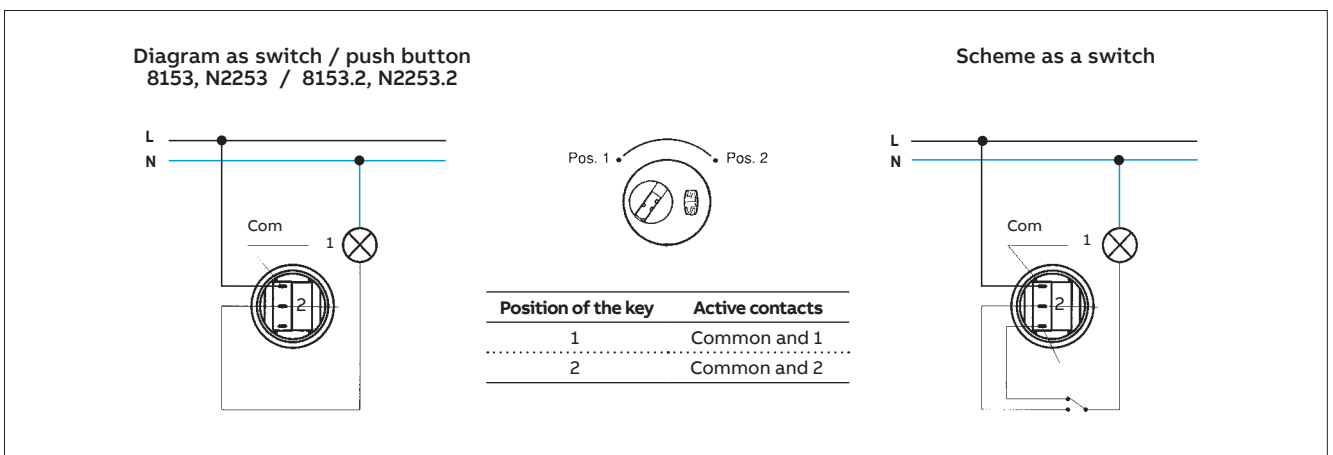
USB chargers

N2185, N2285 & N2185.2

1. Technical data:

Rated input voltage:
100 - 240 V AC ± 10 %

Rated input frequency:
50 - 60 Hz

Rated input current:
N2185.2: 0,20Aac@max load
N2285: 0,20Aac@max load
N2185: 0,12Aac@max load

Consumption in standby:
N2185.2: <10 mW@230 VAC
N2185 & N2285 : <= 0,3W@230 VAC

Rated output voltage:
5 V DC +5 / -5 %

Rated output current:
N2185.2: 2000 mA a 5 V DC
N2285: 1500 mA a 5 V DC
N2185: 750 mA a 5 V DC

Operating temperature:
N2185.2: 0°C to 45°C, when installing
a N2185.2. 0°C to 30°C, when two
N2185.2 chargers together
N2285: 0° C + 35° C
N2185: 0° C + 45° C

Energy efficiency:
N2185.2: > 79%
N2285: >= 71%
N2185: >= 66%

2. Electrical safety data:

Safety standard:
EN60950-I - Low Voltage Directive

Protection class:
II - Low voltage

Isolation (primary-secondary):
Transformer with galvanised isolation

EMC Directive:
EN 55022, EN 55024

3. Wiring diagram:
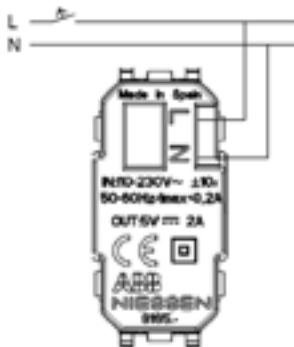
4. Installation
N2185.2 & N2185
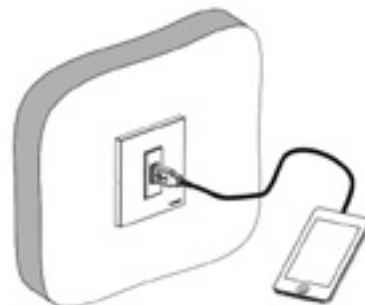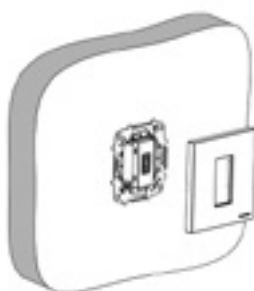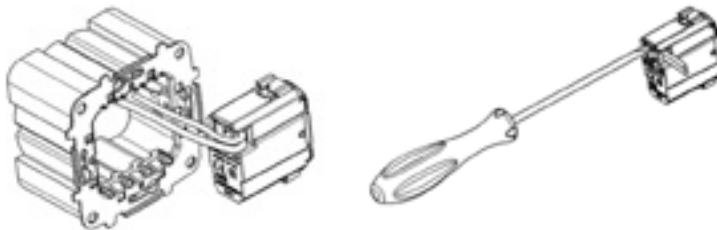
N2285
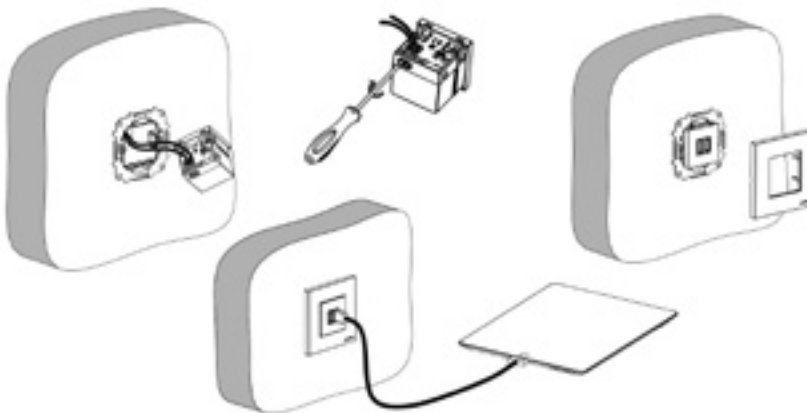
Circuit breaker 6/10/16A & RCD

N2234.1, N2234.2 & N2234.3

1.- Technical data:

Rated voltage:
120 - 230 Vac

Rated frequency:
50 - 60 Hz

Rated current (In):
N2234.1: 6 Aac
N2234.2: 10 Aac
N2234.3: 16 Aac

Breaking capacity:
N2234.1: 1,5 kA
N2234.2 & N2234.3: 3 kA

Residual current (sensitivity) - IΔn:
10 mA

Magneto-thermic action:
C type (see diagram)

Number of poles:
Two-pole (1P + N) with 1 protected pole

2.- Standards:

EN 61009 / 1 / 1994
EN 61009 / 2 / 1 / 1994
IEC 1009 / 2 / 2 / 1991
IEC 1009 / 1 Amd 1 1995

Low Voltage Directive:
CEE 73/23 & 93/66 CEE

EMC Directive:
CEE89/336, 92/31 CEE & 93/68 EEC

3.- Wiring diagram:

Equipment to be protected
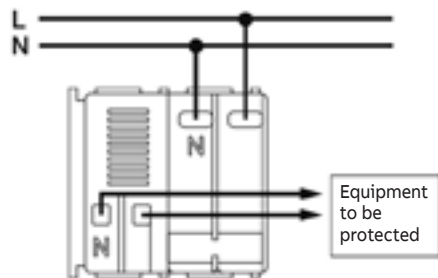
4.- Installation

1. Fix the plastic support in the mounting plate.
2. Insert the mecanism in the mounting plate from the rear side.
3. Place the cover plate.

Mounting plate
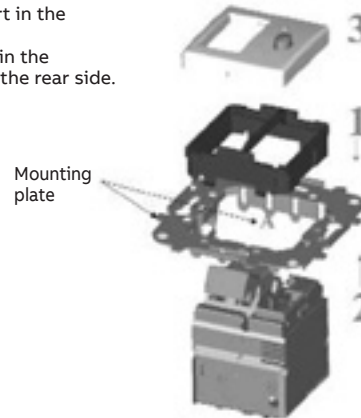
4.- Current-Time tripping diagram

Thermic-action area from cold state

Electro-magnetic action area

Multiples of the rated current In
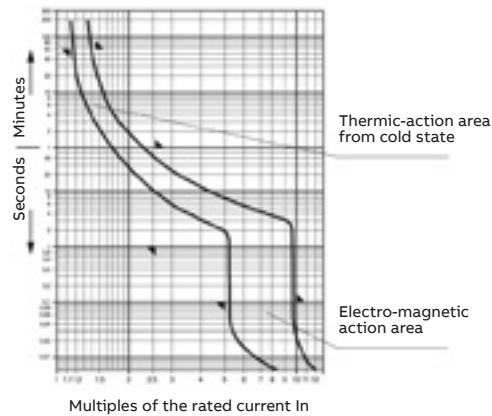
TV / R outlets

Technical data

- Connection: Screw terminal and clamp. Coaxial cable 75 ohm.
- Shielded zamak and metal plate chassis.
- In confirmity with EN 50083-1:1993, EN 50083-2:2001, EN 61000-6-1:2001, EN 61000-4-2:1995 ESD 15KV AD, 8KV CD, EN50083-4:1998
- Fits in a Ø60 mm box.

From previous outlet
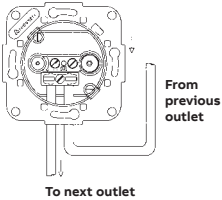
To next outlet

Important: the connection of the TV outlets in serial distribution must be carried out according to the figure on the left. The cable comming from the previous outlet is connected in the right terminal and the cable going to the next outlet in the left terminal.

Code			8150	8150.3	8150.7	8150.8
Installation			Final		Intermediate	
Connection			Screw terminal and clamp			
Output connectors		C1	IEC male Ø 9.52 mm			
		C2	IEC female Ø 9.52 mm			
Frequency range	MHz	I/O	5 - 862		13 - 862	5 - 862
		C1	5 - 862	5 - 68 / 118 - 862	13 - 862	5 - 862
		C2	5 - 862	87.5 - 108	13 - 862	5 - 862
Basic loss	dB ±TOL	FM	10,0 ±0,7	1,1 ±0,3	25,0 ±1,5	30,0 ±0,2
		DAB	10,0 ±1,5	R: 0,3 ±0,1	25,0 ±1,5	30,0 ±0,2
		VHF	4,0 ±1,5	TV: 0,9 ±0,3	8,0 ±0,7	11,0 ±1,0
		UHF	3,0 ±0,5		8,0 ±0,7	10,5 ±1,0
Through loss	dB ±TOL	FM	-		2,0 ±0,3	1,0 ±0,2
		VHF	-		2,0 ±0,5	1,1 ±0,3
		UHF	-		2,0 ±0,5	1,3 ±0,4
Directivity	dB	FM	-		>12	>25
		TV	-		>9	>13
Isolation	dB	FM	>14	>18	>16	>20
		TV	>14	>16	>15	>18
Return loss	dB	FM	>18	>16	>12	>18
		TV	>10	>18	>12	>15

Note: reference 8150.3 compatible with CATV

MATV connection diagram
Distribution with tap-off units

Antenna

Amplifier

Mixer

Distribution

Tap-off units   Tap-off units   **TV outlet codes**

Floor 9°		8150 or 8150.3
Floor 8°		8150 or 8150.3
Floor 7°		8150 or 8150.3
Floor 6°		8150 or 8150.3
Floor 5°		8150 or 8150.3
Floor 4°		8150 or 8150.3
Floor 3°		8150 or 8150.3
Floor 2°		8150 or 8150.3
Floor 1°		8150 or 8150.3
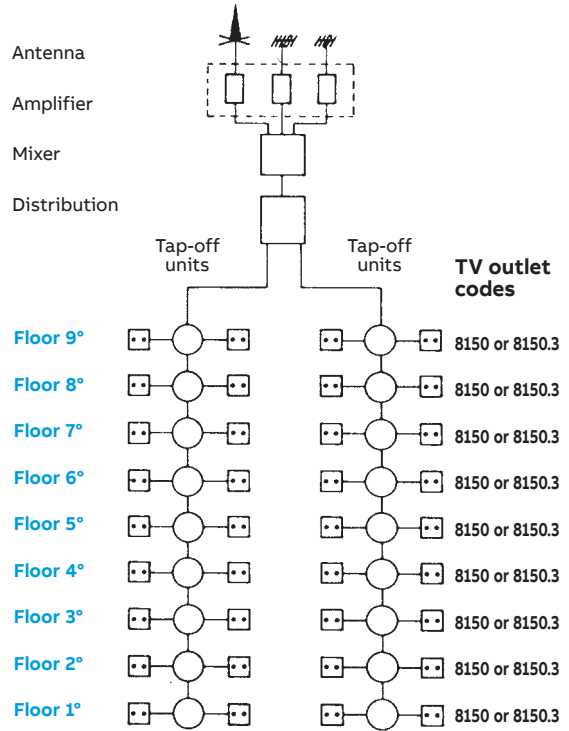
In this diagram all final outlets are the same. References 8150 or 8150.3 can be used equally.

MATV connection diagram
Serial distribution up to 9 floors

Antenna

Amplifier

Mixer

Distribution

TV outlet codes

Floor 9°	8150.8
Floor 8°	8150.8
Floor 7°	8150.8
Floor 6°	8150.8
Floor 5°	8150.8
Floor 4°	8150.7
Floor 3°	8150.7
Floor 2°	8150.7
Floor 1°	8150
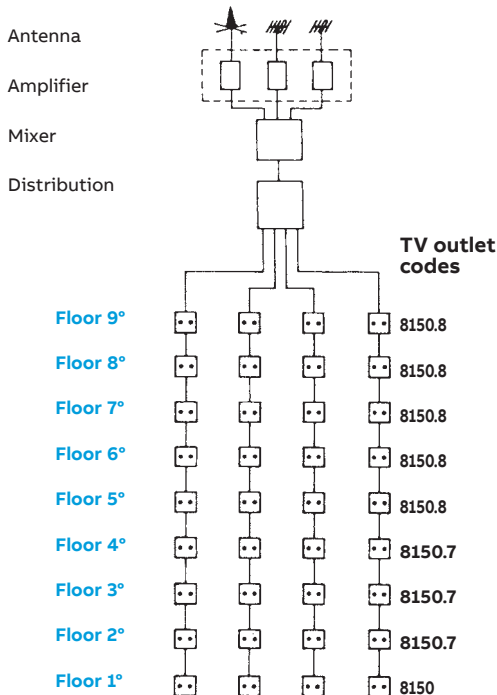
MATV connection diagram
Serial distribution for more than 9 floors

Antenna

Amplifier

Mixer

Distribution

Floor 10°	8150
Floor 9°	8150.7
Floor 8°	8150.7
Floor 7°	8150.7
Floor 6°	8150.8
Floor 5°	8150.8
Floor 4°	8150.7
Floor 3°	8150.7
Floor 2°	8150.7
Floor 1°	8150
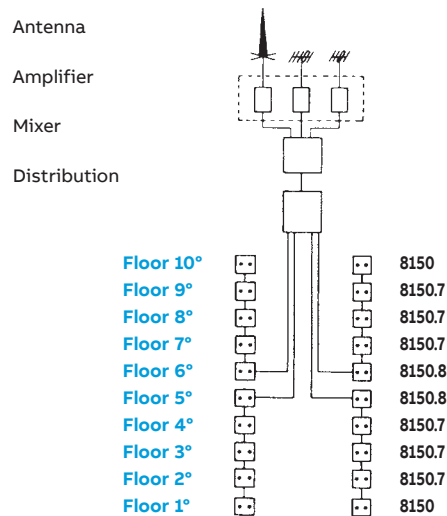
Example: 10 floors. The floors are divided in 2 groups of 5 floors each. The outlets are distributed according to the criteria shown in the MATV connection diagram for serial distrubution up to 9 floors. The diagram above can be used in buildings up to 18 floors. For buildings with more than 18 floors and up to 27 floors, 3 groups have to be created and so on.

Tomas de TV-R / SAT

SMATV connection diagram

Antennas

Main Head End

Distribution network

Multiswitch for secondary distribution

Connection box to users

a) SMATV star connection diagram

8151.3 or N2251.3 Final
8151.3 or N2251.3 Final
8151.3 or N2251.3 Final
8151.3 or N2251.3 Final

Connection box to users

Splitter with 4 outlets

Derivation losses

a) SMATV star connection diagram

PAU

8151.8 or N2251.8 Intermidiate
8151.8 or N2251.8 Intermidiate
8151.7 or N2251.7 Final

Connection box to users

Derivation losses
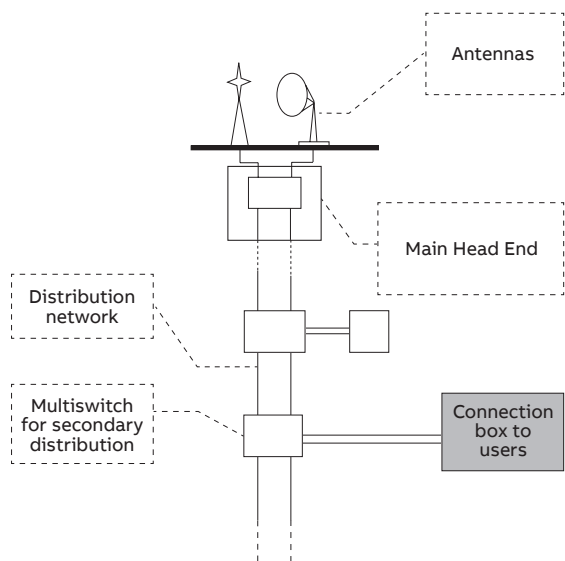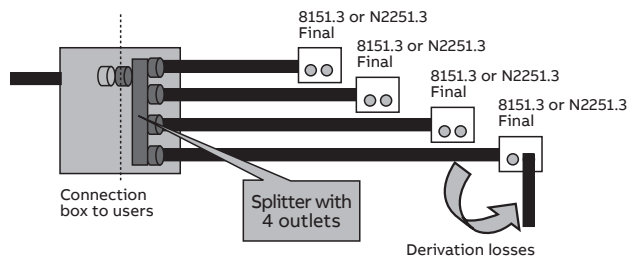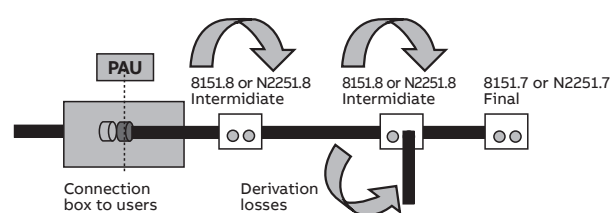
Note:

End of line impedance. If the distribution equipment requires outlets with end of line resistors, 8151.7/N2251.7 outlets must be used or add to 8151.3/N2251.3 outlets a termination resistor to close the line.

Note:

It is recommended to avoid installing more than 2 intermidiate outlets per line.

Code			8151.3 N2251.3	8151.7 N2251.7	8151.8 N2251.8	8152.7
Installation			Final		Intermediate	Final
Connection			Screw terminal and clamp			
Output connectors		C1	IEC male Ø 9.52 mm			
		C2	IEC female Ø 9.52 mm			
		C3	-			F female
Frequency range	MHz	E/S	5 - 2400	5 - 2400		5 - 2500
		C1	5 - 862	5 - 2400		5 - 68 / 125 - 862
		C2	930 - 2400	5 - 2400		87,5 - 108
		C3	-			950 - 2500
Basic loss	dB ±TOL	FM	0,2 ±0,1	3,7 ±0,3	10,0 ±1,0	2,0
		TV	1,0 ±0,5	4,0 ±0,5	10,0 ±1,0	2,7
		SAT	1,2 ±0,6	5,0 ±1,2	12,0 ±2,0	2,3
Through loss	dB ±0,5	FM	-		2,5 ±0,5	-
		TV	-		2,5 ±0,7	-
		SAT	-		3,0 ±1,0	-
Directivity	dB	FM	-		>20.0	-
		TV	-		>12.0	-
		SAT	-		>5.0	-
Isolation	dB	FM	>45	>20	>45	>24,3
		TV	>14	>20	>30	>15
		SAT	>14	>14	>28	>15
Selectivity	dB	FM	-	-		>15
		TV-R	>15	-		>15
		SAT	>15	-		>15
Return loss	dB	VR	>25	>16	>13	>7,6
		FM	>25	>16	>13	>10
		TV	>14	>16	>12	>7,6
		SAT	>10	>9	>12	>8,2
DC path	V⎓		24 max			24 max
	mA		500 max			500 max
	Tono		22 KHz/DiSEqC			22 KHz/DiSEqC

N2250.X & N2252 covers for TV outlets

1. In some cases the TV outlets have too small holes for frame's clamps.
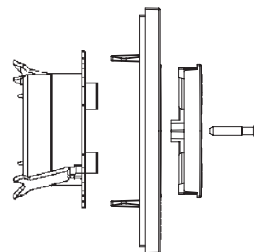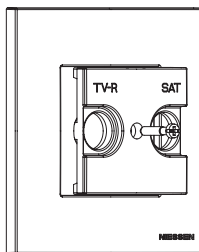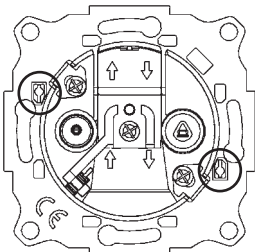
2. There are two options of mounting the cover plates: a) cut the clamps that are facing the small holes.
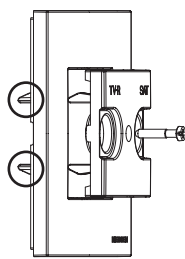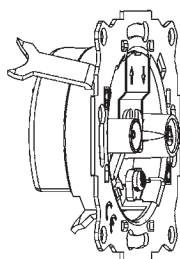
b) Cut all the clamps of the frame.
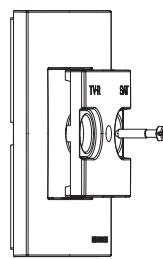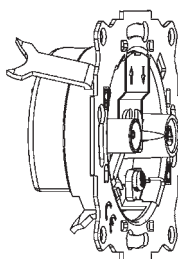
3. When the cover plate is screwed to the insert, the 4 parts that stick out from the cover, will fix the frame to the wall.
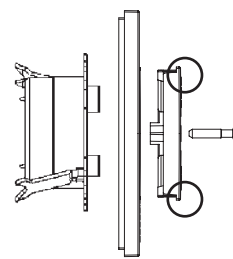
N2251.3 TV-R/SAT outlet single, N2251.7 TV-R/SAT outlet dead-end and N2251.8 TV-R/SAT outlet loop through

Mounting diagram
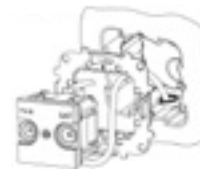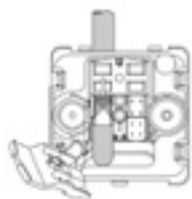
Cable to use

Cable to use

Ø7 mm MAX
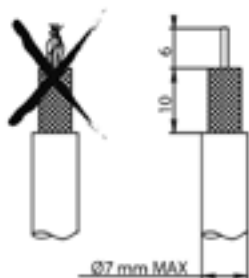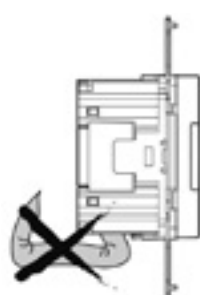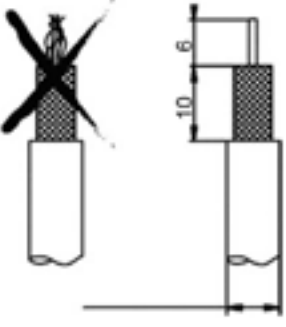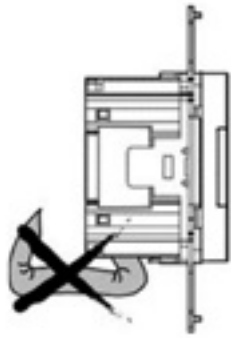
- Use coaxial cable with 75Ω impedance.
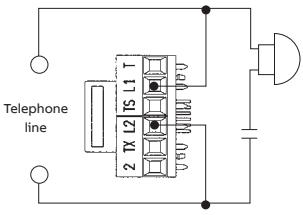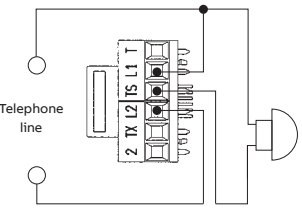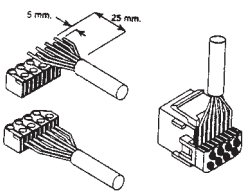
- Avoid small bending radius.

N2150.7 & N2250.7 - TV outlet dead-end

Connector characteristics	Cable to use	Warning
N2150.7 N2250.7		
- TV output: 9,52 mm male.	- Use coaxial cable with 75Ω impedance.	- Avoid small bending radius.

Name			TV outlet dead-end
Frequency range	MHz	TV	5 - 2400
Connection loss	dB	TV	1
Isolation	dB	TV	>16
Return loss	dB	TV	>7,6
Bypass DC current	V mA		34 (max.) 500 (max.) 22Khz / DiSEqC

Telephone outlets

6 contacts N2117.6 / N2217.6	6 contacts N2117.6 / N2217.6	8 contacts 2017.3
Additional bell with capacitor	Additional bell without capacitor	

RJ45 Cat. 6 female connector
2018.6

1 Preparing the Cable

1.1 Cut approximately 5 cm. off the jacket.

1.2 Open approx. 10 cm. of the jacket with a cutter cord or another tool.

1.3 Cut the jacket.

1.4 Cut the mesh (if it has one and the cord at the same level of the jacket).

2 Preparing the Conductors

2.1 Select the adequate wiring scheme (568A or 568B) and place the pairs in a straight line.

Important Note:
Do not cross the pairs over one another!
First, arrange/position pairs 1 and 4, and then pairs 2 and 3 in their usual line.

	1	2	3	4
568A:	Az	Ma	Ve	Na
568B:	Az	Ma	Na	Ve

2.2 Position each of the four pairs in the holes of the end piece.

Position the piece with the flat side facing upwards.
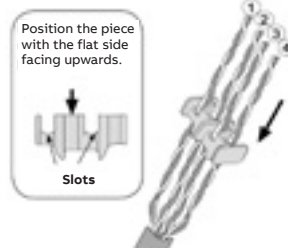
Slots

2.3 Ensure the end piece is located as close as possible to the edge of the jacket.
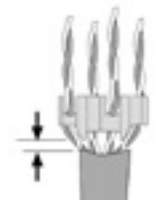
2.4 Place the pairs in the direction of the end piece slots.
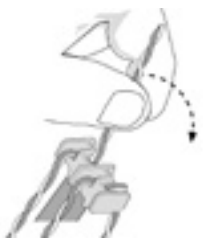
2.5 Insert the end piece into the module.

Blue / White (first pair)

Check the orientation of the colour codes: Blue / White matched with Blue / White

Important Note:
Align the Blue / White pair with the Blue / White colour indicated in the module colour code.

Position the piece with the flat side facing upwards.

2.6 Unbraid the pairs, position and insert the cable in the module slots. Place the **solid colour cable in the first slot of the pair.**

The solid colour cable (Blue)

Cables and module ready.

3 Conductor Terminations

3.1 Place the tool perpendicular to the module and finish cutting the cables.
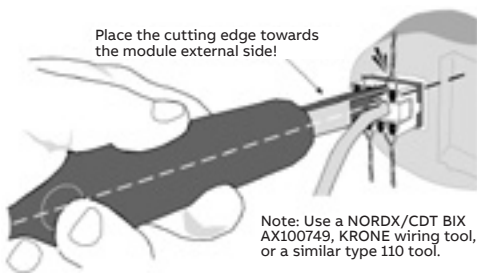
Place the cutting edge towards the module external side!

Note: Use a NORDX/CDT BIX AX100749, KRONE wiring tool, or a similar type 110 tool.

4 Placing the Cable

4.1 Place the cable in **the upper, perpendicular, or lower position** so that it is easy to insert the module in the box for attachment.
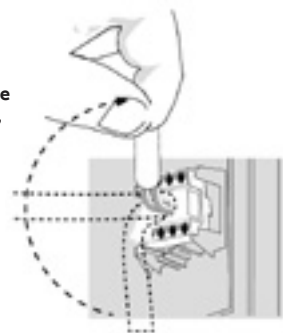
5 Disassembling the module from the supporting piece

Use a...

5.1 Push the front of the module in with your thumb releasing the hooks.

5.2 Pry upwards to release **the upper hook.**

5.3 Pry downwards to release **the lower hook.**

—

RJ45 Cat. 5E female connector

2018.5

1 Remove the back cap from the connector. Strip approx. 5cm off the jacket and discard the cable cutter cord.
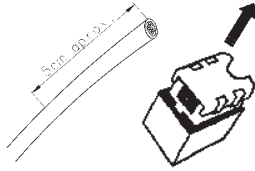
2 Bring the cable close to the connector, with the jacket at approx. 6 mm from the connector. Insert the cables into the corresponding slots as indicated by the cable colour-wiring configuration for T568A or T568 B (as shown in Figures 2A and 2B).
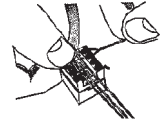
2a Wiring according to T568A:

blue-white, green, blue, green-white

A
B
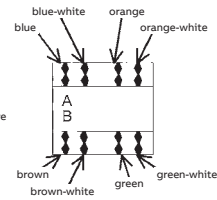
IMPORTANT:
Place the connector in such a way that the printed letters A and B are facing up

brown, brown-white, orange-white, orange

2b Wiring according to T568B:

blue-white, orange, blue, orange-white

A
B

brown, brown-white, green, green-white

3 Push the cables against the end of the slot and cut them flush to the connector.
Use an IBDN 110, BIX, KRONE wiring tool, or a similar type 110 tool.
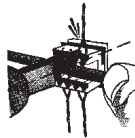
4 Mount the connector cap.

VDI connectors
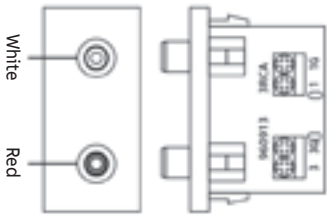
N2155.2
Pin Out:
1G — W/GND ⎤ Left Audio
1B — White ⎦
3G — R/GNB ⎤ Right Audio
3R — red   ⎦

White

Red
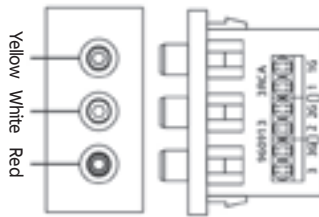
N2155.3
Pin Out:
1G — Y/GND ⎤ Composite Video
1A — Yellow ⎦
2G — W/GND ⎤ Left Audio
2B — White ⎦
3G — R/GND ⎤ Right Audio
3R — Red   ⎦

Yellow
White
Red
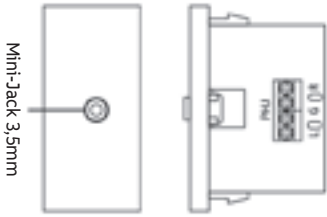
N2155.4
Pin Out:
R — Red   ⎤ Left Audio
G — Ground ⎦
L — White ⎤ Right Audio

Mini-Jack 3,5mm
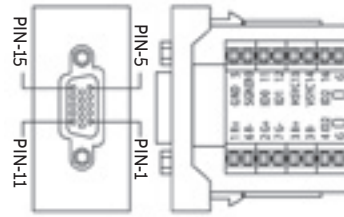
N2155.5

PIN		PIN	
1 — 1 R+		5 — GND 5	
6 — 6 R-		10 — SGND 10	
2 — 2 G+		11 — ID0 11	
7 — 7 G-		12 — ID1 12	
3 — 3 B+		13 — HSYC 13	
8 — 8 B-		14 — VSYC 14	
4 — 4 ID2		15 — ID2 15	
G — GND		G — GND	

PIN-15
PIN-5
PIN-11
PIN-1

N2155.6
G-1 ⎡ 1 — TMDS Data2+
    ⎢ 2 — TMDS Data2 Shield
    ⎣ 3 — TMDS Data2-
G-2 ⎡ 4 — TMDS Data1+
    ⎢ 5 — TMDS Data1 Shield
    ⎣ 6 — TMDS Data1-
G-3 ⎡ 7 — TMDS Data0+
    ⎢ 8 — TMDS Data0 Shield
    ⎣ 9 — TMDS Data0-
G-4 ⎡ 10 — TMDS Clock+
    ⎢ 11 — TMDS Clock Shield
    ⎣ 12 — TMDS Clock-
      13 — CEC
      14 — RESERVED (N.C. on device)
      15 — SCL
      16 — SDA
      17 — DDC/CEC Ground
      18 — +5V Power
      19 — Hot Plug Detect
     GND — Ground

Group 3 (Gold)   **Group 4** (Silver)
Group 2 (Green)   **Group 1** (Pink)
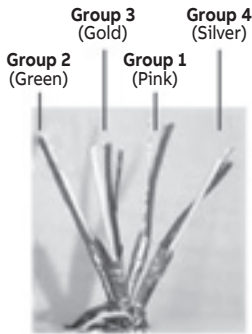
On Group included 3 wires
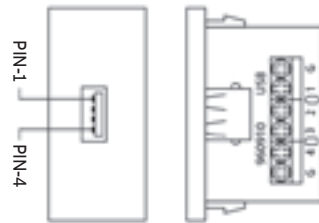
N2155.8
Pin Out:
1 — V_BUS
2 — D-
3 — D+
4 — Ground
G — Shielded

PIN-1
PIN-4

PIN-1   PIN-19

G-1 ⎡ White
    ⎢ Shielded
    ⎣ Geen
G-2 ⎡ White
    ⎢ Shielded
    ⎣ Geen
G-3 ⎡ White
    ⎢ Shielded
    ⎣ Geen
G-4 ⎡ White
    ⎢ Shielded
    ⎣ Geen

GND   = Ground
Blue   = Hot Plug Detect
Green = +5V Power
Yellow = DDC/CEC Ground
Orange = SDA
Red   = SCL
Purple = Reserved (N.C. on device)
White = CEC
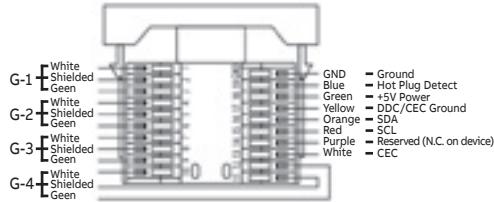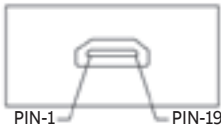
Note:
Using a strap for fixing the cable to the board it is recommended to avoid disconnections. For this the plates have two through-holes at its rear end.

Rotary/push dimmer - N2260.2

1. Technical data

Electrical data:

- Power supply: 230 V~ ; 50 Hz

- Minimum power: 60 W / VA

- Maximum power:
    500 W incandescent lamps.
    500 VA halogen lamps with electronic transformer.
    400 VA halogen lamps with ferromagnetic transformer.

- Room temperature for operation: 0 to 30 °C.

Features:

- Dimming control by means of a local push button (N2260.1 and N2260.2) and a dimmer switch (N2260.2).

- Control capability through auxiliary push buttons (N2X04.X).

- LED indicator pilot.

Detecting the type of load

- After wiring the device to the power supply, the dimmer assesses the type of the load connected.

Overload

- If the device overloads above the maximum rated power, or if the operating temperature exceeds the maximum, the regulator will automatically stop working as a safety measure.

Short Circuit

In case of short circuit, the device will stop working as a safety measure.

Note: Disconnect the device from the power supply if you are making changes to the load.

2. Assembly/Connection

2.1. Connection

Important: disconnect the power supply when installing.

Figure 1:
Basic wiring diagram

Figure 2: Special wiring diagram

Wiring for direct control

The electrical wiring for these devices is performed according to the wiring diagram shown in Figure 1.

The terminal marked "L" shows the phase wire of the installation.

The terminal indicated with ⚡ represents the conductor wiring terminal returning from the load, which is also connected to the neutral conductor of the installation. See Figure 1.

The terminal marked "1" is used to exercise control from several points by means of conventional push buttons. See Figure 2.

If the device is installed individually, follow the instructions indicated in Figure 1.

Wiring for remote control option

The special characteristics of these dimmers enable the remote control using conventional auxiliary push buttons (N2X04.X), making it possible to control the turning on and off and dimming features from different points using only one electronic dimmer and any number of conventional push buttons as desired.

In case it is required to exercise control from several points, refer to the diagram below. Any number of auxiliary conventional push buttons may be used as needed.

The outputs of these push buttons are connected to terminal "1". See Figure 2.

Note: pay special attention to the device input and output conductors, according to the previous description.

3. Mounting

To install the device follow these steps:

1. Connect the device based on the corresponding wiring scheme. Figure 1 and Figure 2.

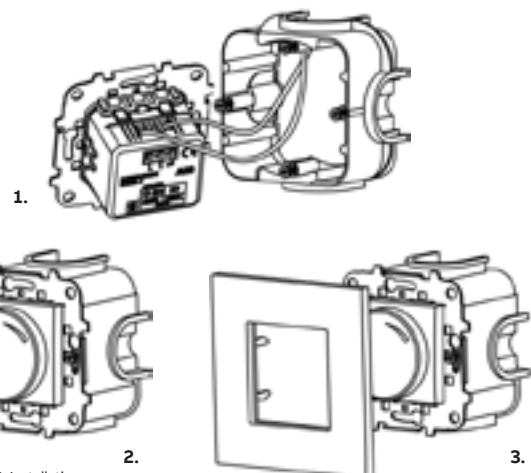2. Mount the device on the wall box.

3. Then, position the plate.

Figure 3: Installation

4. Operation

The operation of the dimmer during the set up, disconnection or regulation is as follows:

Short pulsation

If the dimmer is off, upon receiving a short pulsation it will turn on using always the maximum level of light.

If the dimmer is on, upon receiving a short pulsation it will turn off.

A short pulsation refers to any pulsation lasting between 50 ms and 400 ms.

Long pulsation

If the dimmer is off, upon receiving a long pulsation it will turn on using the minimum level of light. Then it will increase it until the pulsation stops, or until it reaches the maximum level of light.

If the dimmer is on, upon receiving a long pulsation the dimming direction will reverse: if the level of light has increased up to a certain point, it will diminish, and vice versa. Whenever the maximum (or minimum) level of light is reached during a long pulsation, the dimming will stop in the maximum (or minimum) level, even if pulsation continues.

A long pulsation refers to any pulsation lasting for more than 400 ms.

Turning the knob clock-wise:

- If the load is off, or in the maximum intensity level, it will not perform any action.

- If the load is in a specific dimming point, it will increase the load intensity.

Turning the knob anti-clockwise:

- If the load is off, it will not perform any action.

- If the load is in a specific dimming point, or in the maximum level, it will diminish the load intensity.

Once the load reaches the maximum or minimum intensity level, if we keep turning the knob anti-clockwise or clockwise, the load will continue in its maximum/minimum intensity level.

Rotary LED dimmer
N2260.3 & N2260.8

1. Technical data

Rated voltage / max. power:
- N2260.3: 230 V~ ±10%, 50 Hz / 250 W/VA
  230 V~ ±10%, 60 Hz / 200 W/VA
- N2260.8: 127 V~ ±10%, 60 Hz / 140 W/VA
- Room temperature for operation: 0 to 35 °C.

Protection:
- Back-up fuse: Electronic
- Overload protection: Electronic

N2260.3 - Rated min./max. power (230 V~):
- LEDi: 2 W/VA / 100W/VA (max. 10 lamps).
- Dimmable energy saving lamps: 2 W/VA / 100W/VA
  (máx. 10 lamps).
- LV LEDi with transformer: 4 W/VA / 100W/VA (max. 10 lamps).
- Incandescent lamps: 10 W/VA / 250W/VA.
- Halogen lamps: 10 W/VA / 250W/VA.
- LV halogen lamps with transformer: 10 W/VA / 250W/VA.

N2260.8 - Rated min./max. power (127 V~):
- LEDi: 2 W/VA / 55W/VA (max. 10 lamps).
- Dimmable energy saving lamps: 2 W/VA / 55W/VA
  (máx. 10 lamps).
- LV LEDi with transformer: 4 W/VA / 55W/VA (max. 10 lamps).
- Incandescent lamps: 10 W/VA / 140W/VA.
- Halogen lamps: 10 W/VA / 140W/VA.
- LV halogen lamps with transformer: 10 W/VA / 140W/VA.

2. Wiring diagram
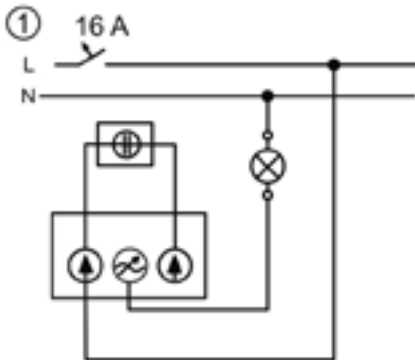
Standard operation
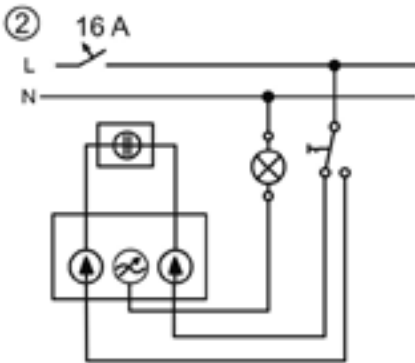
Operation in a two-way circuit

Warning:

Disconnect the mains power supply prior to installation and/or disassembly! Permit work on the 230V/127V supply system to be performed only by specialist staff.

3. Mounting

1.
2.   3.
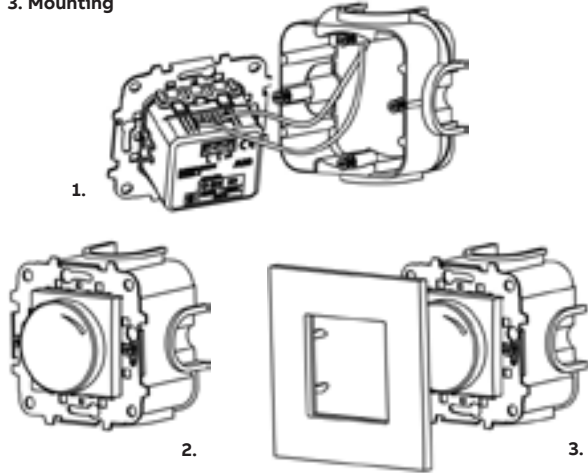
Turn the device in the correct installation position. The marks on the back side of the device, orients the correct top position.

4. Set-up
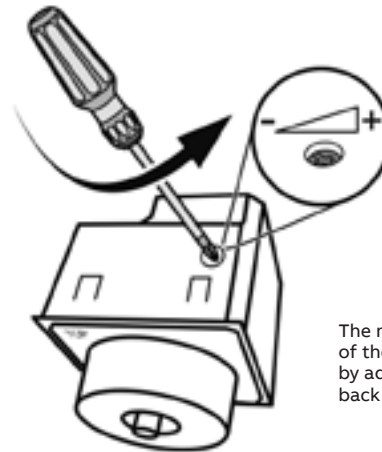
The minimum brightness of the dimmer can be set by adjusting the on the back side of the device..

5. Operation

The LED dimmer is a phase-angle dimmer and is used to switch and dim all lamps listed in "Types of load", especially LEDi loads (LED lamps with an integrated ballast). The LED dimmer serves as light controller in connection with rotary dimmer control elements.

Notes:

1) Use only L or LC transformers. Pure C transformers are not permitted. If transformers are used, the specifications of the respective manufacturers must be observed. In particular, observe the information regarding the minimum load.

Connection load for LEDi

2) Above a connection load of 25 W/VA, suitable measures must be taken to increase the connection load to a maximum of 100 W/VA (230 V supply) or 55 W/VA (127 V supply) when connecting LEDi according to IEC 61000-3-2, for example, through the use of harmonic wave filters.

3) Maximum number of LEDi lamps is 10.

Rotary dimmer 1-10 Vdc for fluorescen or LED drivers
N2260.9

1. Technical data

- Power supply:
  230V 50-60Hz 700VA
  127V 50-60Hz 350VA

- Load type: Dimmable electronic ballast with 1-10V control input.

2. Assembly/Connection

2.1. Connection

Follow the steps below to install the mechanism:

1. Connect the device according to the connection schemes. Figure 2 and Figure 3.

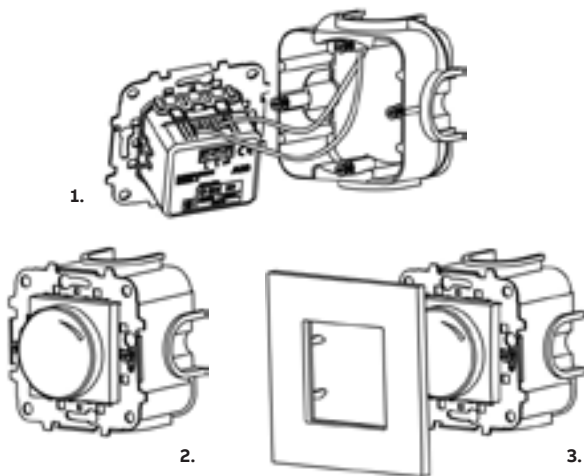2. Assemble the device on the flush mounting box.

3. Then, place the plate.

Figure 1: Installation

Important: Disconnect the power supply when installing.

2. Connection

The fluorescent lighting dimmer N2260.9 may be connected to dimmable electronic ballasts with a control input of 1-10 V as shown in Figure 2:
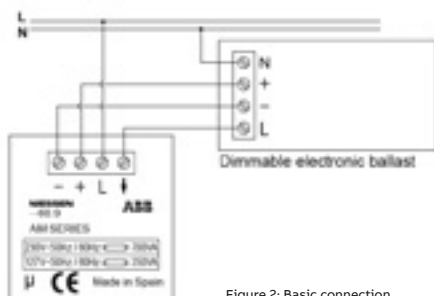
Figure 2: Basic connection

The maximum charge to be connected to the control terminals +/– should not exceed 50 mA.

See technical specifications of the dimmable electronic ballast to be installed.

Electronic ballasts generate a very high instantaneous peak current at connection, therefore it is recommended not to connect more than 6 ballasts to the N2260.9 fluorescence regulator.

In installations where it is required to connect more than 6 electronic ballasts to the same regulator mechanism, it is recommended to use a contactor to protect the mechanism contacts. See Figure 3.
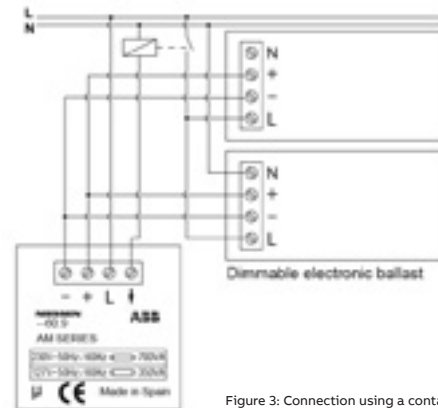
Figure 3: Connection using a contactor

3. Operation button turns in the clockwise direction

If the charge is disconnected, i.e. the rotatory button is completely turned counter-clockwise, when turning right the charge will turn on (a "click" will be heard) and the intensity level will increase as we turn the button in the clockwise direction.

If the charge is at a given point of regulation, the charge intensity will increase as we turn the button in that direction.

If we turn the button completely in the clockwise direction, this will stop in a limit, which will coincide with the maximum regulation intensity level.

Operation button turns in the counter-clockwise direction

Intensity level will reduce as we turn the button in the counter-clockwise direction.

If we turn the button completely in the counter-clockwise direction, a "click" will be heard and the button will stop in a limit, the charge will be disconnected.

1 Module dimmer - N2160.E

1. Technical Data

Voltage:
N2160: 127 V~ ; 60 Hz
N2160.1: 230 V~ ; 50-60 Hz

Power:
N2160: 50-500 W ☼
N2160.1: 50-700 W ☼

Operating temperature:
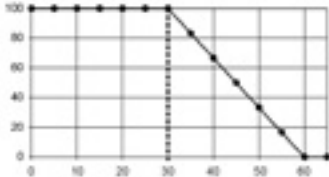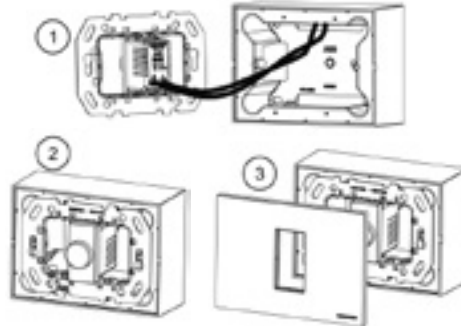0 – 30° C

Table 1:
Power reduction (%) as a function of temperature (°C)
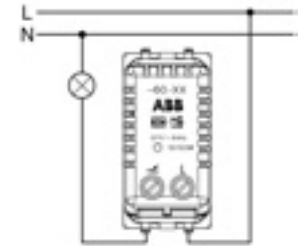
2. Assembly/Connection

2.1. Assembly

Important:
If the dimmer is installed next to another electronic device that can produce heat, the maximum power must be reduced in half. If it is installed between two electronic devices that can produce heat, the maximum power must be reduced to the fourth.

2.2. Connection

Important: Disconnect the power supply when installing.

3. Operation

Do not exceed the maximum shown in Table 1, since the dimmer has a NON-resettable thermal fuse. If the fuse is triggered, the electronic dimmer is useless for further use. In case of exceeding the maximum load, the fuse could not trig but it may happen that the load will not turn off.

Push dimmer - N2260

1. Technical Data

Power supply:
127 V~ ; 60 Hz / 230 V~ ; 50 Hz

Minimum power:
40 W / VA

Maximum power:
For 230 V~ ; 50 Hz:
☼ 450 W incandescent lamps.
▱⊗ 400 VA halogen lamps with transformers.

For 127 V~ ; 60 Hz:
☼ 250 W incandescent lamps.
▱⊗ 250 VA halogen lamps with transformers.

Protection against overcurrent:
Using a calibrated fuse ref. T-2A.

Protection against faulty connections:
Using an electronic device.

Regulation time: from minimum to 3.8 secs.

Nighttime indicator display: LED.

Temperature for operation: 0 to 30 °C.

Interference suppression:
UNE-21806 and EN 55014 Standards.

3. Mounting:
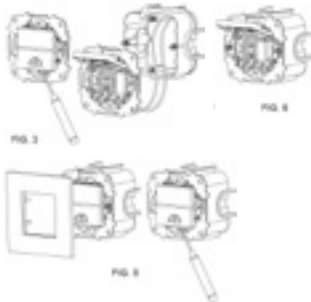
1. To connect the device, lift the switch (Fig. 3).
2. Connect the dimmer based on the wiring scheme (Figs. 1 and 2).
3. Mount the device on the wall box, and then position the plate.
4. To change the fuse, lift the switch, pulling softly along its edge (Fig. 5) and remove the fuse holder (Fig. 6).
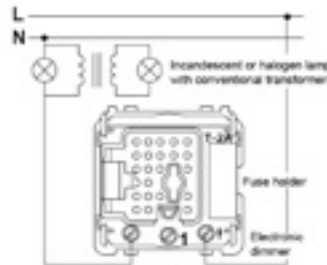
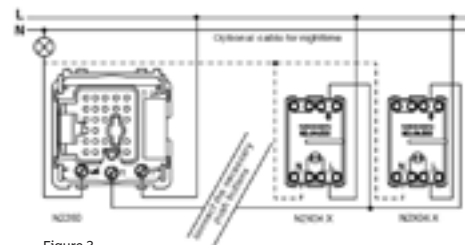### 2. Wiring diagram:

Figure 1

Figure 2

The electrical wiring for these devices is performed according to the wiring diagram shown in Figure 1.
The incoming arrow indicates the phase/line wire of the installation and the outgoing arrow indicates the wiring towards the receptor/load according to Figure 1.
The terminal "1" is used to enable the remote control from several points using conventional pushbuttons, refer to the Figure 2.
If the device is to be installed individually, follow the instructions indicated in Figure 1.

This dimmer allows the remote control using conventional auxiliary pushbuttons, making it possible to control the turning on and off and dimming features from different points by means of only one electronic device and any number of conventional pushbuttons as desired. In case it is required to allow control from several points, refer to the Figure 2. Any number of auxiliary conventional pushbuttons may be used as needed. The outputs of these pushbuttons are connected to terminal "1". See Figure 2.
NOTE: Pay special attention to the device input and output conductors, according to the previous description.
Make sure to disconnect the power supply before manipulating the device.

4. Operation:
The operation of the regulator during set up, disconnection or regulation is as follows:
SHORT PULSATION:
If the regulator is off, upon receiving a short pulsation it will turn on using always the maximum level of light.
If the regulator is on, upon receiving a short pulsation it will turn off.
A short pulsation refers to any pulsation lasting between 50 ms and 400 ms.
LONG PULSATION:
If the regulator is off, upon receiving a long pulsation it will turn on using the minimum level of light; then it will increase it until the pulsation stops, or until it reaches the maximum level of light. If the regulator is on, upon receiving a long pulsation the regulation direction will reverse: if the level of light has increased up to a certain point, it will diminish, and vice versa. Whenever the maximum level of light is reached during a long pulsation, the regulation will stop in the maximum level, even if pulsation continues. However, when the minimum level is reached, it does not stop and it starts increasing.
A long pulsation refers to any pulsation lasting for more than 400 ms.

Universal pulsation dimmer - N2260.1

1. Technical data

Electrical data:

- Power supply: 230 V~ ; 50 Hz

- Minimum power: 60 W / VA

- Maximum power:
  500 W incandescent lamps.
  500 VA halogen lamps with electronic transformer.
  400 VA halogen lamps with ferromagnetic transformer.

- Room temperature for operation: 0 to 30 °C.

Features:

- Dimming control by means of a local push button (N2260.1 and N2260.2) and a rotary dimmer (N2260.2).

- Control capability through auxiliary push buttons (N2X04.X).

- LED indicator pilot.

Detecting the type of load

- After wiring the device to the power supply, the dimmer assesses the type of the load connected.

Overload

- If the device overloads above the maximum rated power, or if the operating temperature exceeds the maximum, the regulator will automatically stop working as a safety measure.

Short Circuit

In case of short circuit, the device will stop working as a safety measure.

Note: Disconnect the device from the power supply if you are making changes to the load.

2. Assembly/Connection

2.1. Connection

Important: disconnect the power supply when installing.

Figure 1:
Basic wiring diagram

Figure 2: Special wiring diagram

Wiring for direct control

The electrical wiring for these devices is performed according to the wiring diagram shown in Figure 1.

The terminal marked "L" shows the phase wire of the installation.

The terminal indicated with ⚡ represents the conductor wiring terminal returning from the load, which is also connected to the neutral conductor of the installation. See Figure 1.

The terminal marked "1" is used to exercise control from several points by means of conventional push buttons. See Figure 2.

If the device is installed individually, follow the instructions indicated in Figure 1.

Wiring for remote control option

The special characteristics of these dimmers enable the remote control using conventional auxiliary push buttons (N2X04.X), making it possible to control the turning on and off and dimming features from different points using only one electronic dimmer and any number of conventional push buttons as desired.

In case it is required to exercise control from several points, refer to the diagram below. Any number of auxiliary conventional push buttons may be used as needed.

The outputs of these push buttons are connected to terminal "1". See Figure 2.

Note: pay special attention to the device input and output conductors, according to the previous description.

3. Mounting

To install the device follow these steps:

1. Connect the device based on the corresponding wiring scheme. Figure 1 and Figure 2.

2. Mount the device on the wall box.
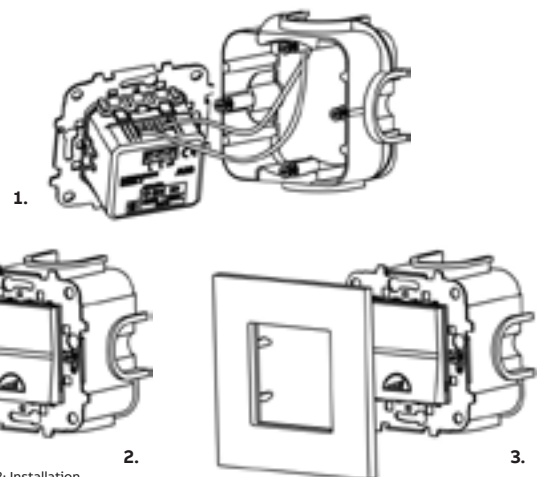
3. Then, position the plate.

Figure 3: Installation

4. Operation

The operation of the dimmer during the set up, disconnection or regulation is as follows:

Short pulsation

If the dimmer is off, upon receiving a short pulsation it will turn on using always the maximum level of light.

If the dimmer is on, upon receiving a short pulsation it will turn off.

A short pulsation refers to any pulsation lasting between 50 ms and 400 ms.

Long pulsation

If the dimmer is off, upon receiving a long pulsation it will turn on using the minimum level of light. Then it will increase it until the pulsation stops, or until it reaches the maximum level of light.

If the dimmer is on, upon receiving a long pulsation the dimming direction will reverse: if the level of light has increased up to a certain point, it will diminish, and vice versa. Whenever the maximum (or minimum) level of light is reached during a long pulsation, the dimming will stop in the maximum (or minimum) level, even if pulsation continues.

A long pulsation refers to any pulsation lasting for more than 400 ms.

Movement detector - N2241

1. Introduction

This motion detector device senses the movement of people in an area of 5m (maximum) and in a 110° angle.

Depending on the level of light detected by the light sensor and the motion detected in the covered area, the device determines if the load connected to it should be activated or not, thus lighting the area in which it is connected whenever someone passes.

White it is detecting movement, the device maintains the load activated. When it stops detecting motion it disconnects the loads in the preset time.

The device enables remote control through conventional push buttons with the use of only one conductor and thus simplifying electrical installations with the possibility to substitute the traditional switched installations.

2. Technical Characteristics:

Power supply: 230 V~ ; 50 Hz
127 V~ ; 60 Hz

Maximum power:

Incandescent lamps: 1,800 W (230 V~ 50 Hz)
1,000 W (127 V~ 60 Hz)

Halogen lamps with electronic transformer, or halogen lamps with ferromagnetic transformer:
750 VA (230 V~ ; 50 Hz)
400 VA (127 V~ ; 60 Hz)

(M) Fluorescent lamps or motors: 400 VA (230 V~ ; 50 Hz)
200 VA (127 V~ ; 60 Hz)

Voltage free relay output: 2 terminals:

- Control capability throught auxiliary push buttons (N2X04.X).
- Timer adjustment: Between 10 sec. and 10 minutes.
- Adjustment of light set point level for detection.
- Room temperature for operation: -10° C to 40° C.
- Detection range of the IR motion sensor: Max. 5 metres in a 110° angle.
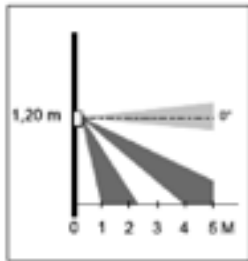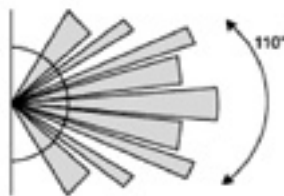

Figure 1. Sensor detection diagram

Cross section diagram showing the detection area
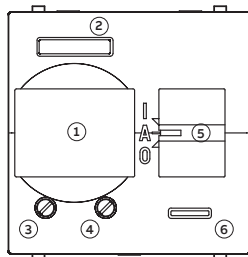
Horizontal view diagram showing the detection area

Front device description

1. Detection lens
2. Light sensor
3. Light set point selector
4. Timer selector
5. Operating mode selector (3 positions):
   I – Always on
   A – Automatic (central position)
   0 – Always off
6. Red LED, indicator of automatic operating mode. It does not light when operating in modes I and 0.

Fig 2.- Front view of the device

3. Wiring

Pre-installation recommendations

Install the device away from heat sources or draughts.

The sensitivity of this detection device depends on several factors such as temperature, ambient humidity, as well as speed and direction of people´s movement.

Before installing the device, it is important to determine where to install it so that it adequately convers the desired detection area.

Basic wiring

The electrical wiring of these devices is performed according to the wiring diagram shown in Figure 3.

The terminal marked "L" shows the phase wire of the installation.

The terminal marked "N" shows the neutral wire of the ins tallation.

The terminals marked ⌐⌐ represent the two terminals of the relay output (voltage free).
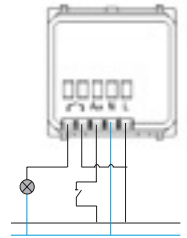

Figure 3: Basic wiring diagram

The terminal marked "aux" (control terminal) is used in case it is desired to control the device (optional) from different points through conventional push buttons (auxiliary pushbuttons). See wiring diagram in Figure 4.

It is possible to use the device as a crepuscular switch if a switch is connected to the control terminal to a pushbutton.

Note: Pay special attention to the device input and output conductors, according to the previous description.

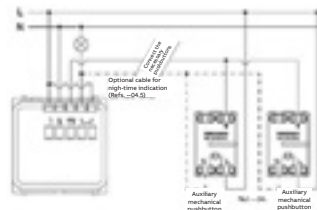Make sure to disconnect the power supply before manipulating the device.

Figure 4: Special wiring diagram

Wiring of several devices in parallel

The detection area in a zone can be increased by installing more than one motion detector device.

To ensure that the detection of movement by any of the devices installed activates the load controlled by all of them, their outputs should be wired in parallel to the load. See wiring diagram in Figure 5.
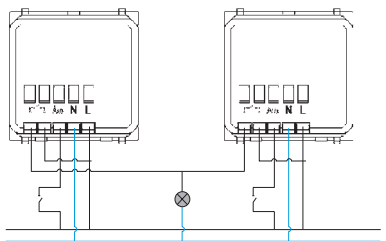

Figure 5: Parallel wiring diagram

Selection of the light and time threshold

Once the device is wired and installed, based on the type of application, it is important to determine the light value below which the device should activate the load while in Automatic Mode, either by the detection of movement or by pressing the auxiliary pushbutton.

The light set point selector (see Figure 6) enables the selection of the light threshold below which the detector will activate the load.

- If the potentiometer is turned to the left (anti-clockwise), the device will activate the load whenever it detects movement, regardless of the light value, during either day or night.

-If, on the contrary, the potentiometer is turned to the right (clockwise), the device will activate the load when it detects movements under low light conditions, i.e. almost in the dark.

Movement detector - N2241

Figure 6: Exploded view of the selection potentiometers for the selection of light and time thresholds.

The load disconnection time is another important parameter that needs to be chosen. The set value will be based primarily on the type of application and the detector installed. The time can be chosen easily by turning the time selector potentiometer (see Figure 6).

4. Installation

To install the device follow these steps:

1. Connect the device based on the wiring scheme. Figures 3, 4 and 5.

2. Mount the device on the wall box.

3. Then, position the plate.

Figure 7: Installation for N2241

The load disconnection time is another important parameter that needs to be chosen. The set value will be based primarily on the type of application and the area in which the detector is installed. The time can be chosen easily by turning the time selector potentiometer (see Figure 6).

5. Operation

The motion detector device has 3 different operating modes that the user can select at any time using the selector located at the front of the device.

The available operating modes are the following:

I – Always on

A – Automatic (central position)
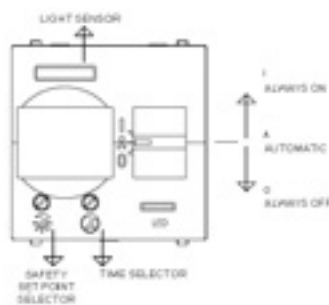
0 – Always off

Operating Mode "I": Always On

How to select the operating mode "Always On"

- The operating selector is in position I: Always On

- The front red pilot is off

In this operating mode, the load is always activated, regardless of the light

level or the movement detected within the covered area.

While in this mode, the device does not respond to the auxiliary push

button that may be connected to the control terminal.

Operating Mode: Automatic (A). Motion detector.

How to select the operating mode "Automatic"

- The operating selector is in position A: Automatic.

- The device indicates it is in the Automatic operating mode by lighting the front red pilot.

- Optionally, the auxiliary push buttons wired to the control terminal can be used.

This operating mode enables the independent activation and deactivation of the load, based on the movement detected within the covered area and on whether the light level is above or below the set threshold.

When the device detects movement of people and the light level sensed is below the set point, then it activates the load. With the conditions described above and while the device detects movement, the load will be activated.

Once the device stops detecting movement, it will deactivate the load based on the time set for deactivation; in this way, the device will be on standby until it detects another movement within the covered area.

When one of the auxiliary push buttons that may be connected to the control terminal is pushed, the device will behave as if it had detected movement. It will activate the load whenever the light level in the covered area is below the set point and will deactivate the load if no movement is detected within the time set.

Operation as Crepuscular Switch

The device can be operated as a crepuscular switch, i.e. it can activate the load when the light level is below the set threshold, no matter if there are people moving in the area or not. In the same way, the device may deactivate the load when the light level goes above the selected threshold.

How to select the operating mode "Automatic" when the device works as a crepuscular switch.

- The operating selector is in position A: Automatic

- The device indicates it is in the Automatic operating mode by lighting the front red pilot.

- Instead of using auxiliary push buttons, wire a switch to the control terminal and then, wire the terminal to the phase wire. When the switch is closed, the device operates as a crepuscular switch.

This operating mode is a well defined application derived from the device Automatic operating mode. In this mode, the device operates as a crepuscular switch, so that when the front light sensor detects a decrease in the light level below the set threshold, the switch activates the load, regardless whether there is movement of people or not within the covered area.

Once the light in the room collected by the sensor exceeds the set light threshold, it disconnects the load.

Note 1: For the correct operation of the device as a crepuscular switch, the device should be kept away from the light source (load) it controls. In this way, the purpose is that the device's light sensor only collects the room light (not artificial) that will determine if the light loads automatically controlled by the device should be turned on or off.

Note 2: This operating mode automatically decides whether to connect or disconnect the loads, based solely on the light collected by the device's light sensor. Therefore, the operation of the device does not rely on or respond to the movement of people within the covered area, if the switch connected to the control terminal is closed to the phase wire.

Time delay switch
N2262.1

1. Technical data

- Rated Voltage: 230 V~ ; 50 Hz
- Maximum power:

40 - 500 W for incandescent lamps.

40 - 400 VA for halogens with conventional transformers.

(M) 40 - 100 VA for motors.

Protection against overcurrents:
Through calibrated fuse F-3,15H. It is supplied with a replacement.

Protection against faulty connections:
Through electronic device.

Time delay: from 10 sec. to 10 min. (±10%).

Night vision device: red LED.

Operating temperature: from 0 to 40 °C.

2. Wiring diagram:

The electric connection of these articles is carried out
in conformity with the presentation of the following Figures.
The «L» terminal indicates the connection with the installation
phase wire, and the arrow exiting the device indicates the
connection to the receptor.
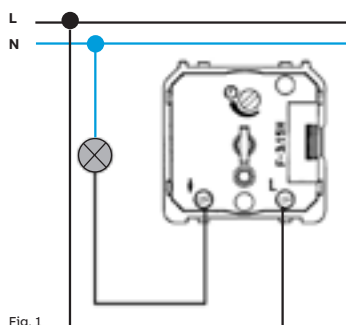
Fig. 1
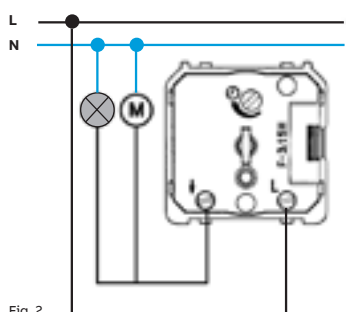
Fig. 2

NOTE:
Pay particular attention to the connection of exit/entry device
conductors, as shown in the diagrams.
When manipulating the device, make sure it is disconnected
from the power grid.

For the applications requiring the timing of an engine of less than 40VA
power, for example a small air-extractor engine with 13VA in a bathroom,
the connection will be possible if you connect another load to the latter, so
as to make sure the addition of both power loads results in a power output
which is greater than 40VA, the minimum load required for the correct
operation of the device.
If an engine is connected to another load (a halogen or incandescent lamp),
the maximum power load of the latter has to equal the maximum power
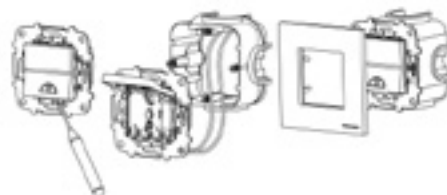output value of the engine.

3. Mounting:

Fig. 3

1. Connect the device according to the instructions cited in the subsection
on connection systems. **Do not manipulate the device when connected to
the power grid.**

2. Introduce the mechanism in the flush-mounting box holding it with the
screws of the box (or with fixation claws, if the box is equipped with them).

3. Set the time delay.

4. Mount the frame.

5. When mounting the other series, insert the frame between the support
and the body and screw the support to the body. Mount the key on the
support.

6. The time deleyed switch is ready to use.

4. Operation:

The time deleyed switch is an electronic operation mechanism mak-ing the
automatic disconnection of the controlled element, within an adjustable
time interval.
The manual operation is carried out by pressing the key.
Setting the desired time margin for disconnecting the device, is carried
out by using an adjusting screw, as indicated on Figure 4. The time range is
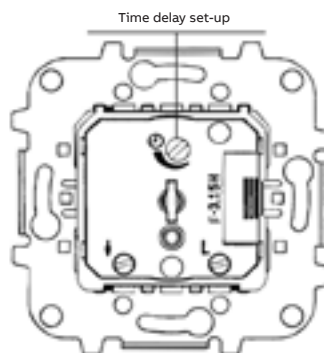adjustable from 10 seconds to 10 minutes (±10%).

Time delay set-up

Fig. 4

—

Rotatory thermostat with remote sensor

N2240.3

1. Technical data

Voltage: 230V~ +/-10% 50-60Hz

Load power: 2.300W.

Load type: floor heating resistor.

Control temperature: +5°C to +45°C (Set point).

OFF state: at OFF position, the thermostat is off, so that it does not address the temperature measured by the floor temperature probe. The relay output contact is open.
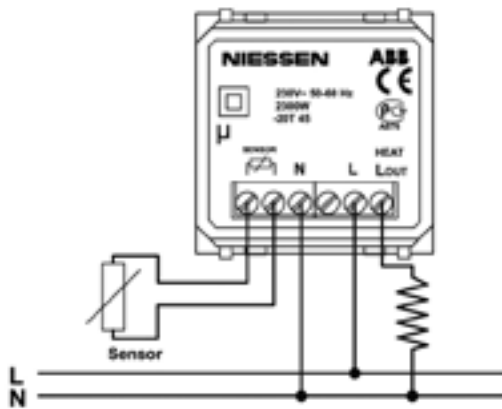
Temperature accuracy: 0,5°C.

Hysteresis: 0,5°C.

Floor temperature sensor: NTC, 10KΩ at 25°C, -40°C to 80°C. Double isolated cable, 4m length.

LED light indication: red and green

Ambient temperature: -20°C to 45°C

2. Wiring diagram:

In order to get the better temperature measurement performance possible at the floor thermostat installation, it is recommended:
- Install the thermostat higher than 1m height from the floor.
- Do not install the thermostat near other heat or cold sources.
- Keep the floor temperature sensor away from interference sources or power circuits.
- Check the floor temperature sensor is correctly connected.

Important: Disconnect the mains voltage power when installing. Work on the 230 V supply system may only be performad by specialist staff!
Disconnect main power supply prior to installation and/or disassembly!

3. Mounting
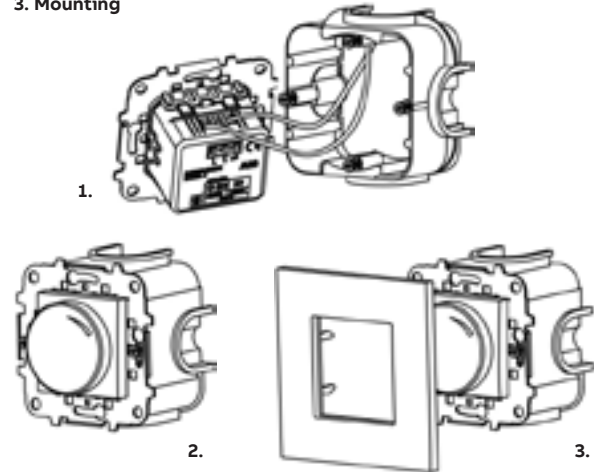
4. Operation:

The temperature set point can be adjusted by the rotary knob on the front of the thermostat, from +5°C to +45°C.
LED light in the front, indicates the following:
- Red color: Temperature set point is higher than measured temperature at floor sensor. Relay output contact is closed.
- Green color: Temperature set point is lower than measured temperature at floor sensor. Relay output contact is open.
- LED off: Thermostat is OFF state (disconnected).
- Blinking red color: (a) The floor temperature sensor woul not be connected or (b) the temperature read by the floor temperature sensor is below.
- 40°C. Relay output contact is closed.

Digital thermostat
8140.5 + N2240.5

1. Technical data

Voltage: 230 V~ ; 50 - 60 Hz

Power consuption: < 1W

Control temperature: +0°C to +50°C

Temperature accuracy: ±2°C (±1°C with calibration)
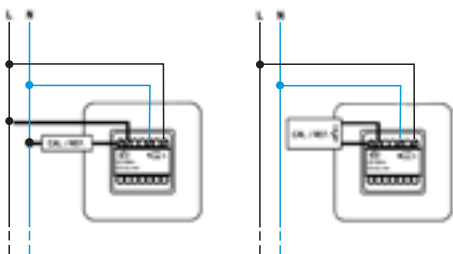
Resolution: 0,1°C

Control output: potential-fre relay contacts (NA).

Maximum load: 3A cos φ = 0,5.

Hysteresis: 0,5°C

**Pulse-width modulation:** ±4°C difference with the set-point temperature, variable from 100% to 0% modulation.

2. Wiring diagram:

For hating or cooling installations
WITHOUT potential free input

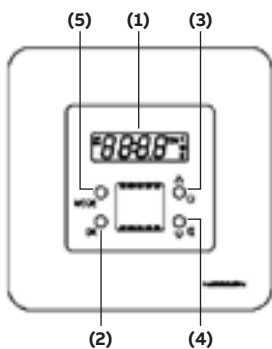For heating or cooling installations
WITH potential free input

Important: Disconnect the mains voltage power when installing. Work on the 230 V supply system may only be performad by specialist staff!
Disconnect main power supply prior to installation and/or disassembly!
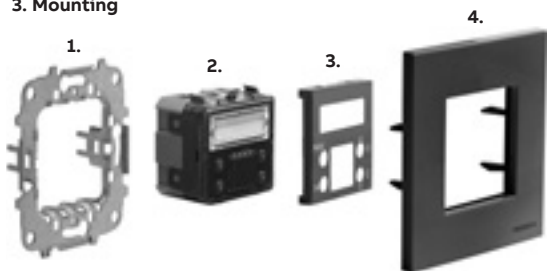
3. Mounting

1. Mounting plate
2. Insert - 8140.5
3. Cover plate - N2240.5
4. Frame

4. Operation:

This command allows you to control heating and cooling devices (not simultaneously) from its internal electronic thermostat. Also, thanks to the night mode, allows to maintain a temperature differential (from 0°C to 5°C, also programmable) to save energy with just one keystroke.

Night operating mode ☾ :
It is based on setting a temperature differ-ence (in °C) between day and night, in order to save energy.

Winter mode ❄ :
To be selected when the equipment under control is a heating equipment.

Summer mode ✿ :
To be selected when the equipment under control is an air-conditioning equipment.

Temperature control by hysteresis:
Thermostat's default type of control. The use of hysteresis control is particularly suitable for gas boilers.

Pulse-width temperature control:
The use of pulse-width control is particularly recommended for electric heaters, heat pumps or electrothermal actuators.

ATTENTION:
To select between hysteresis and pulse-width, it is necessary that the thermostat is off mode, i.e. the **"ON"** is not displayed on the screen.

(1) TEMPERATURE DISPLAY
Displays the set-point temperature.

(2) PUSH BUTTON FOR CONFIRMATION OF SELECTED OPTIONS
Confirms the selected values.

(3) ON/OFF AND UP PUSH BUTTON
Turns the control on and off. The display will show **"ON"** if it is turned on and will turn off when it is off. It serves to increase the temperature displayed on screen.

(4) NIGHT AND DOWN KEY PUSH BUTTON
Selects between day and night modes. The display will show ☾ in night mode and in day mode it will disappear. It serves to decrease the temperature displayed on screen.

(5) FUNCTIONS/CONFIGURATION SELECTOR
By pressing "we will adjust the set-point temperature" and, if we press successively, we will choose "winter/summer", "night temperature", "thermometer calibration" and "output relay action mode".

- **1 press** on **"MODE"** to adjust the set-point temperature.

While the set-point temperature and the symbol **"°C"** flash on the display, set the desired value with "▲ and ▼ " and press **"OK"**.

- **2 presses** on **"MODE"** to choose between winter and summer.

While the symbols ❄ / ✿ flash on the display, set the desired value with "▲ and ▼ " and press **"OK"**.

- **3 presses** on **"MODE"** to choose the night temperature differential.

While the night temperature differential and the symbol ☾ flash on the display, set the de-sired value with "▲ and ▼ " and press **"OK"**.

- **4 presses** on **"MODE"** to calibrate the thermometer.

The temperature indicator flashes and with "▲ y ▼ " we select the appropriate ambient temperature. It will be set by pressing **"OK"**.

- **5 presses** on **"MODE"** to choose the "output relay action mode". The **"STD"** or **"INC"** will be illuminated on the display when pressing "▲ or ▼". We select the right one and we press **"OK"**.

"STD" indicates the operating mode by hysteresis.

"INC" indicates the operating mode by pulse-width modulation.

In all the cases the setting is validated pressing **"OK"**. Failure to do so, the control returns to the previous settings in 5 seconds without saving the new ones.
With the control turned off, it behaves as a thermometer, showing the current temperature.

ATTENTION:
In the first implementation it is advised to wait **8 hours** before calibration. After an off voltage, the control requires **30 minutes** before showing an accurate temperature.

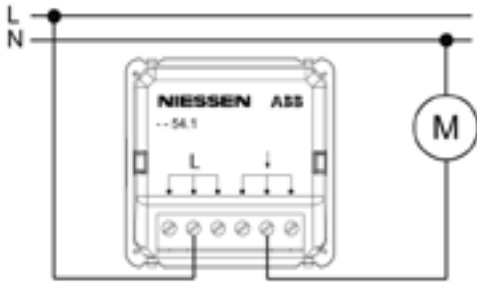# Rotatory fan control

N2254.1

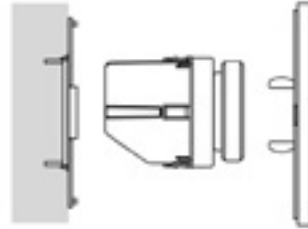**1. Technical data**

Voltage: 127 V~ ; 60 Hz

Load power: 190 W

Load type: ceiling fan.

Operating temperature: +0°C to +40°C

2. Wiring diagram:

3. Mounting:

4. Operation:

Speed / Button position: 0 Disconnected.
I Maximum speed.
II Medium speed.
III Minimum speed.

Important: Disconnect the mains voltage power when installing.
Work on the power supply system may only be performad by specialist staff!
Disconnect main power supply prior to installation and/or disassembly!

Electronic doorbell

N2224 & N2224.1

1. Technical data

Voltage:
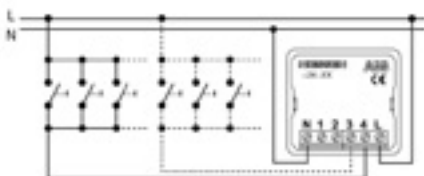
- N2224: 230 V~ ; 50-60 Hz
- N2224.1: 127V~ 60Hz

4 melodies available.

Acoustic power at 1 meter with cover plate: 72 dB.

2. Wiring diagram:

PUSH BUTTON WITH NIGHT ORIENTATION LAMP
N2104.5 or N2204.5   **N2104.X or N2204.X**
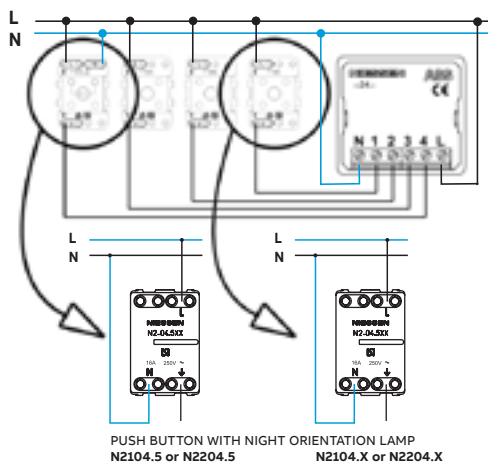
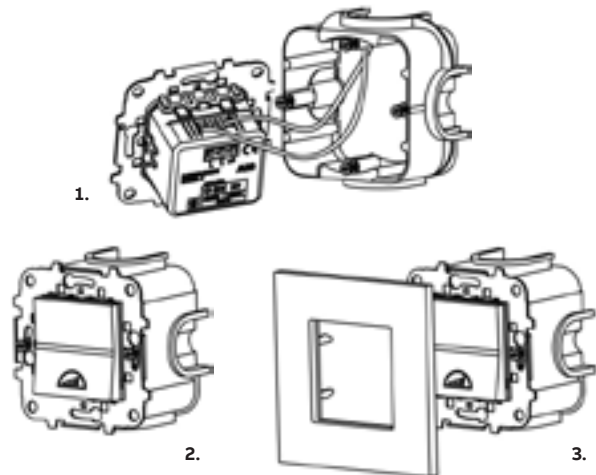Connection with more than one push-button per melody.

3. Mounting

To install the device follow these steps:

1. Connect the device based on the corresponding wiring scheme.

2. Mount the device on the wall box.

3. Then, position the plate.

1.

2.   3.

4. Operation:

The bell can be connected to 4 push buttons maximum, with a different melody for each one of them.

Important: Disconnect the mains voltage power when installing.
Work on the power supply system may only be performad by specialist staff!
Disconnect main power supply prior to installation and/or disassembly!
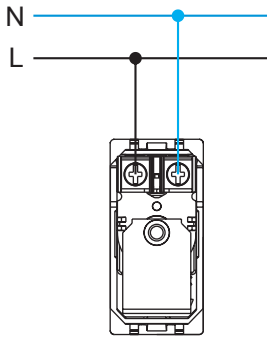
Buzzer
N2119 & N2219

1. Technical data

Rated voltage: 127-230 Vac / 50-60 Hz.

Rated power: 8 VA.

Adjustable tone.

Acoustic power at 1 meter with cover

plate: 75 dB.

2. Wiring diagram:

LED signaling light
N2180 BL/RJ/VD, N2180.1 BL, N2280 BL & N2280.2 RJ/VD

1. Technical data

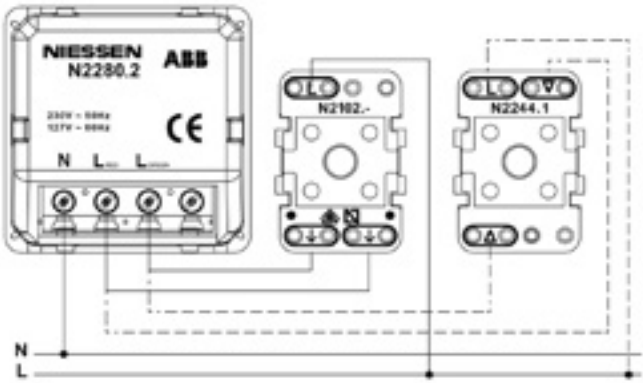**Rated voltage:** 127-230 Vac / 50-60 Hz.

Lamp:
- N2180 BL/RJ/VD / N2180.1 BL / N2280 BL: white LED.
- N2280.2 RJ/VD: red and green LED.

Luminous flux:
- N2180 BL/RJ/VD / N2280 BL / N2280.2 RJ/VD: > 2 lumen at 1 meter.
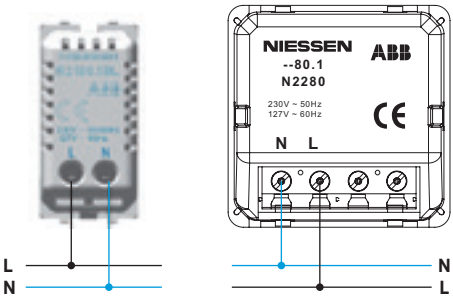- N2180.1: < 0,5 lumen at 0,3 meter.

Diffuser:
- N2180 BL / N2180.1 BL / N2280 BL / N2280.2 RJ/VD: white.
- N2180 RJ: red.
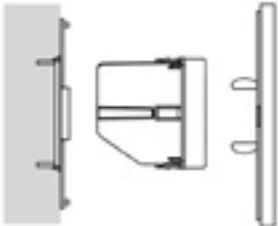- N2180 VD: green.

2. Wiring diagram:

Important: Disconnect the mains voltage power when installing.
Work on the power supply system may only be performad by specialist staff!
Disconnect main power supply prior to installation and/or disassembly!

3. Mounting:

—

LED beacon light

N2281

1. Technical data

Rated voltage: 230V~, 50-60Hz (optional 127 Vac version available)

Alert signals: it can be selected by the selector:
(a) - blue color light or
(b) - high brightness white light

**Autonomy:** 2 hours; 1h at maximum illumination and 1h at lower illumination.

Remote control: supports any standard remote control over voltages.

**Standard:** UNE-EN60598-2-22 Interference suppression according to norms UNE-21806 y EN-55014.

Brightness: more than 2 lumens (lm) at 1 meter distance.
Battery Nickes-Metal Hydride (Ni-MH), with less environmental impact.

Note: Ni-MH batteries have an estimated life of 4 years. Beacon Pilots correct operation should be verified periodically. In the absence of voltage and previously to have been connected to voltage for more than 24 hours, the mechanism should provide a minimum of one hour beacon lighting, if not, replace the mechanism.

2. Wiring diagram:
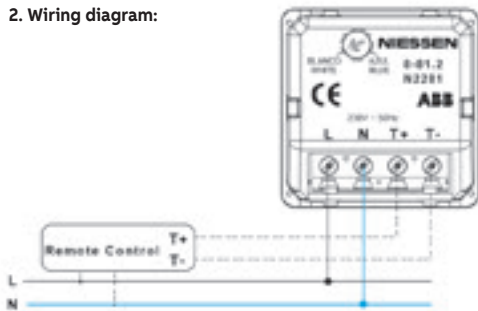
3. Mounting:
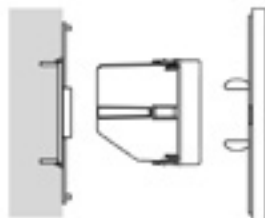
4. Operation:

The stairs beacon pilot is an autonomous signaling device, equipped with an electric energy storage battery, which ensures the correct building pathways signaling lighting in the event of a power outage or when it drops below 70% of its nominal value (230V~).
Once connected to mains voltage the device can remain in the following operation situations:
(1) Alert (signaling)
(2) Operation (beacon)
(3) Standby (remote control)

Alert (signaling)
The device remains on alert (signaling), provided that the value of the power supply exceeds 70% of the power supply nominal voltage (230V~ 50-60Hz).

Emergency operation
It comes into an emergency operating condition when the power supply voltage is less than 70% of rated voltage (230V~ +/-10%). The device is illuminated with high brightness white color.
Note: The time necessary to recharge the device batteries is 24 hours.

Standby (remote control)
Situation in which the device remains off, even when the power supply voltage is interrupted. This action is achieved by using a remote control connected to the equipment, as shown in figure "Device connection". This way you can select certain number of appliances, from the total installed drivers, to remain off in a power failure, thereby reserving the batteries charge in case of a possible need for further use if the power outage is prolonged.
This is achieved by acting on the remote control that generates a continuous control signal or low voltage pulses, which acts on the pilot/s by placing it/them at standby or running again (beacon), as desired. When achieving this type of installation, make sure of the correct connection of the different drivers.

**Select the color of the device signaling light in alert situation (signaling).**
No need to disconnect the supply voltage of the device to select the alert light through the potentiometer. Although the remote control inputs were connected, these should not be active at the time of selecting the alert light through the potentiometer.

Important: Disconnect the mains voltage power when installing.
Work on the power supply system may only be performad by specialist staff!
Disconnect main power supply prior to installation and/or disassembly!

Make Up Room / Do Not Disturb system

N2180.4, N2180.5 & N2244.5
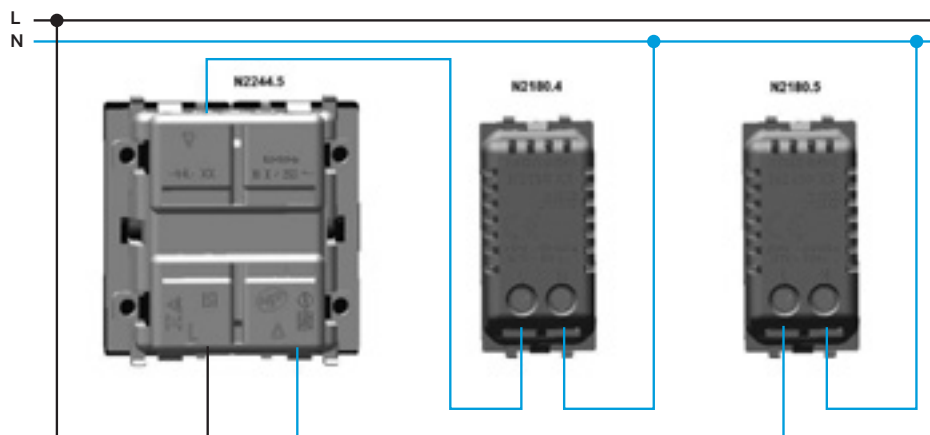
Zenit elastic claws
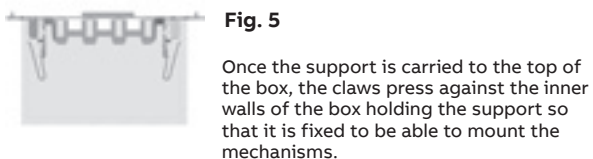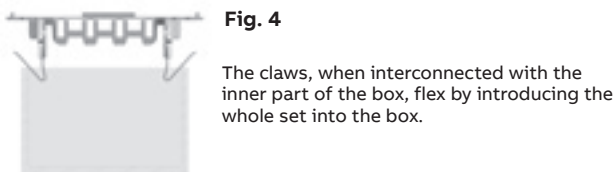
Mounting the claws on the metal mounting plate

The elastic claws are inserted into the metal support of the mechanisms. For this, there is a guide where at the end of the path the claws are clipped and are perfectly secured, making a block with the mounting plate.

Fig. 1

> Guide for clamping the claws.

> Metallic mounting plate.

Once the claws are assembled, place the screwdriver in the mounting plate to level it and mount it correctly in the box.

Fig. 2
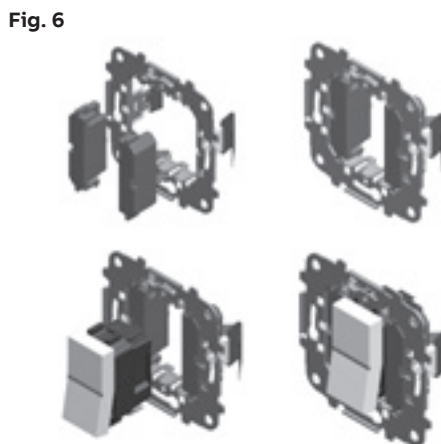
> Clip of the claws.

Fig. 3

The assembly is pressed into the housing.

Fig. 4

The claws, when interconnected with the inner part of the box, flex by introducing the whole set into the box.

Fig. 5

Once the support is carried to the top of the box, the claws press against the inner walls of the box holding the support so that it is fixed to be able to mount the mechanisms.

The system is effectively fixed without the need for any additional elements. It supports the stresses to which the elements inserted in the ring can be subjected, in their habitual use. (insertion of plugs, rocker pressing, etc.)

Insertion of a 1-module mechanism in a mountin plate with elastic claws.
1- Insert the additional parts (elastic claw insert ref. N2071.8).
2- Insert the 1-module mechanism into the metal bracket.

Fig. 6

Removing the mounting plate and claws from the box

In order to be able to disassemble the entire set, simply insert a tool (screwdriver) and press on each of the claws until they are released from the mechanism support, they fall into the inside of the box and it is now possible to remove all the system. To reassemble it you have to restart the whole process explained before.

Fig. 7

Fig. 8

Zenit sound system
A soundtrack in each space
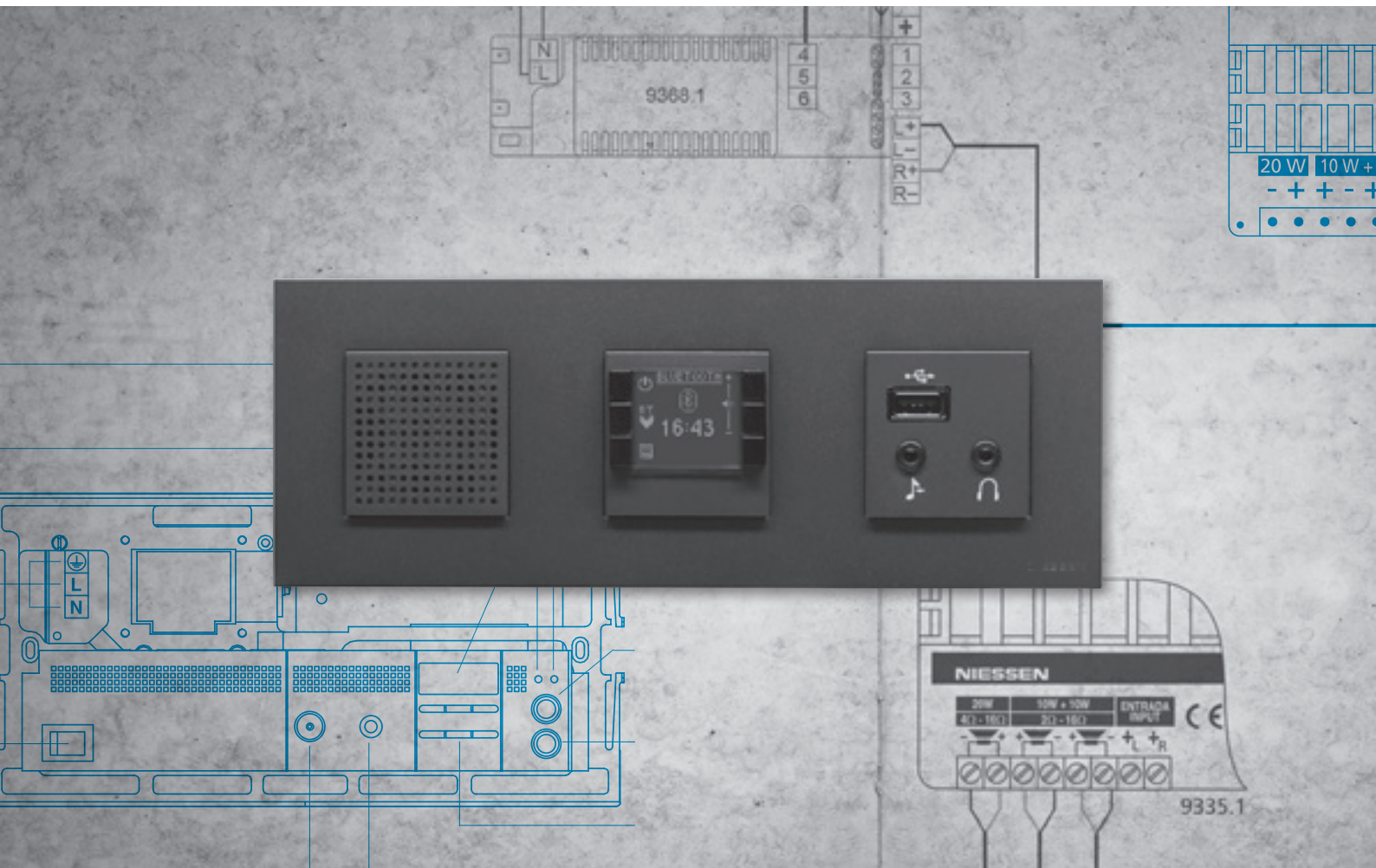
FM stereo receiver with alarm module

9368

1. Technical data

Rated voltage:
- 9368: 230 V~; ±15%; 50-60 Hz
- 9368.7: 127 V~; ±15%; 50-60 Hz
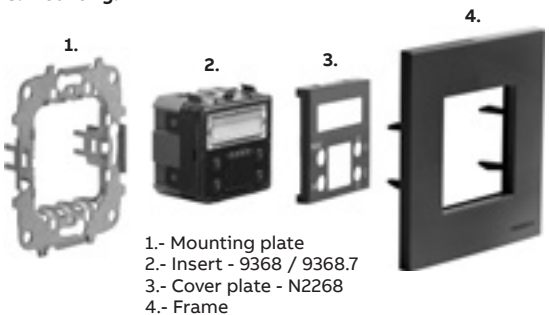
Max. consumption: 100 mA

Stand-by consumption ref. 9368 and 9368.7 (*): 0,2 W.

Stand-by consumption ref. (9368 or 9368.7) + 9368.3 (*): 0,5 W.
(*) With the display illumination at minimum.

Maximum output power: 2+2 W; <1% distorsion (16 W)
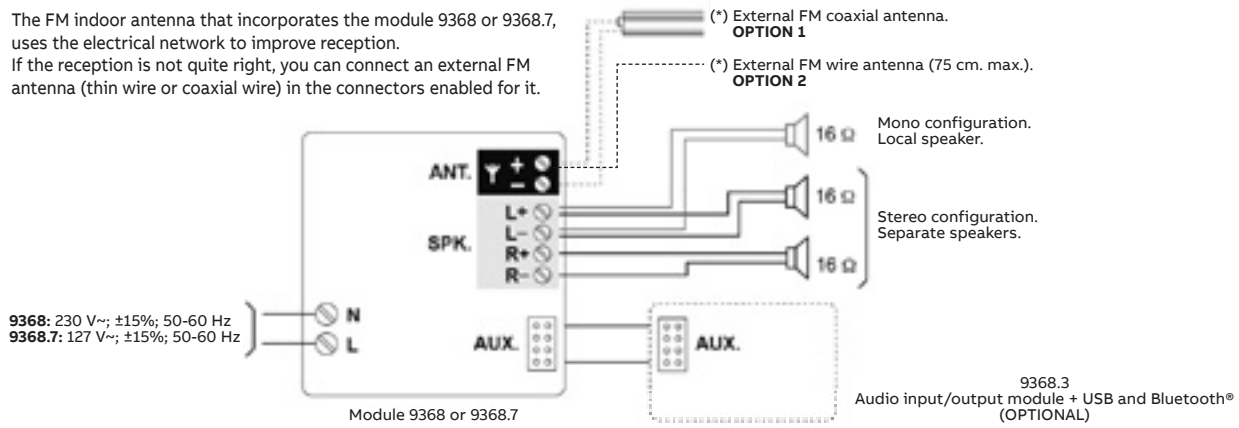
Speaker impedance: 16 W (2+2 W audio)

2. Wiring diagram:

(*) FM RECEPTION

The FM indoor antenna that incorporates the module 9368 or 9368.7, uses the electrical network to improve reception.
If the reception is not quite right, you can connect an external FM antenna (thin wire or coaxial wire) in the connectors enabled for it.

3. Mounting:

1.- Mounting plate
2.- Insert - 9368 / 9368.7
3.- Cover plate - N2268
4.- Frame

(*) External FM coaxial antenna.
OPTION 1

(*) External FM wire antenna (75 cm. max.).
OPTION 2

Mono configuration.
Local speaker.

Stereo configuration.
Separate speakers.

ANT.
SPK.
L+
L–
R+
R–

9368: 230 V~; ±15%; 50-60 Hz
9368.7: 127 V~; ±15%; 50-60 Hz

N
L

AUX.

AUX.

Module 9368 or 9368.7

9368.3
Audio input/output module + USB and Bluetooth®
(OPTIONAL)

Auxiliary module

9368.3

1. Technical data
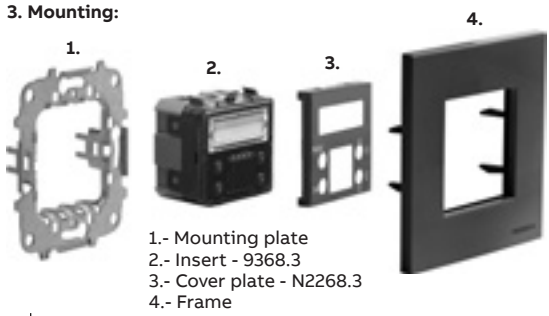
Power supply through AUX.: 9 V

Maximum consumption: 175 ~ 200 mA

Consumption stand-by: 0.4 W

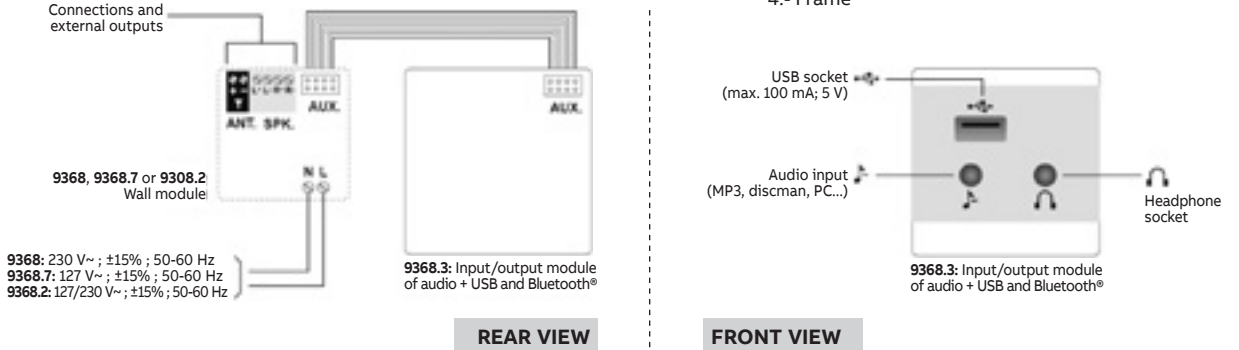**Headphones impedance:** 16 ~ 600 Ω (25 + 25 mW audio phones)

Bluetooth®: Bluetooth® v2.1 2.4GHz IEEE 802.15.1
Maximum reach from the module 9368.3 to user's Bluetooth® device: 10 m.

2. Wiring diagram:

Connections and external outputs

ANT. SPK.   AUX.

AUX.

9368, 9368.7 or 9308.2
Wall module

N L

9368: 230 V~ ; ±15% ; 50-60 Hz
9368.7: 127 V~ ; ±15% ; 50-60 Hz
9368.2: 127/230 V~; ±15%; 50-60 Hz

9368.3: Input/output module of audio + USB and Bluetooth®

REAR VIEW

3. Mounting:

1.- Mounting plate
2.- Insert - 9368.3
3.- Cover plate - N2268.3
4.- Frame

USB socket
(max. 100 mA; 5 V)

Audio input
(MP3, discman, PC...)

Headphone socket

9368.3: Input/output module of audio + USB and Bluetooth®

FRONT VIEW

Radio & Bluetooth multiroom module + Remote control module
9368.1 & 9368.2

1. Technical Data

Power supply:
230 V~ / 127 V~; ±15%; 50-60 Hz

Bluetooth®:
Bluetooth® v2.1 2.4GHz IEEE 802.15.1
Maximum reach from the ceiling module
9368.1 to user's Bluetooth® device: 10 m.

Maximum power consumption:
200 mA

Consumption stand-by:
0.3 W

Communication data:
ZigBee 2.4GHz IEEE 802.15.4

Antenna impedance:
75 Ω
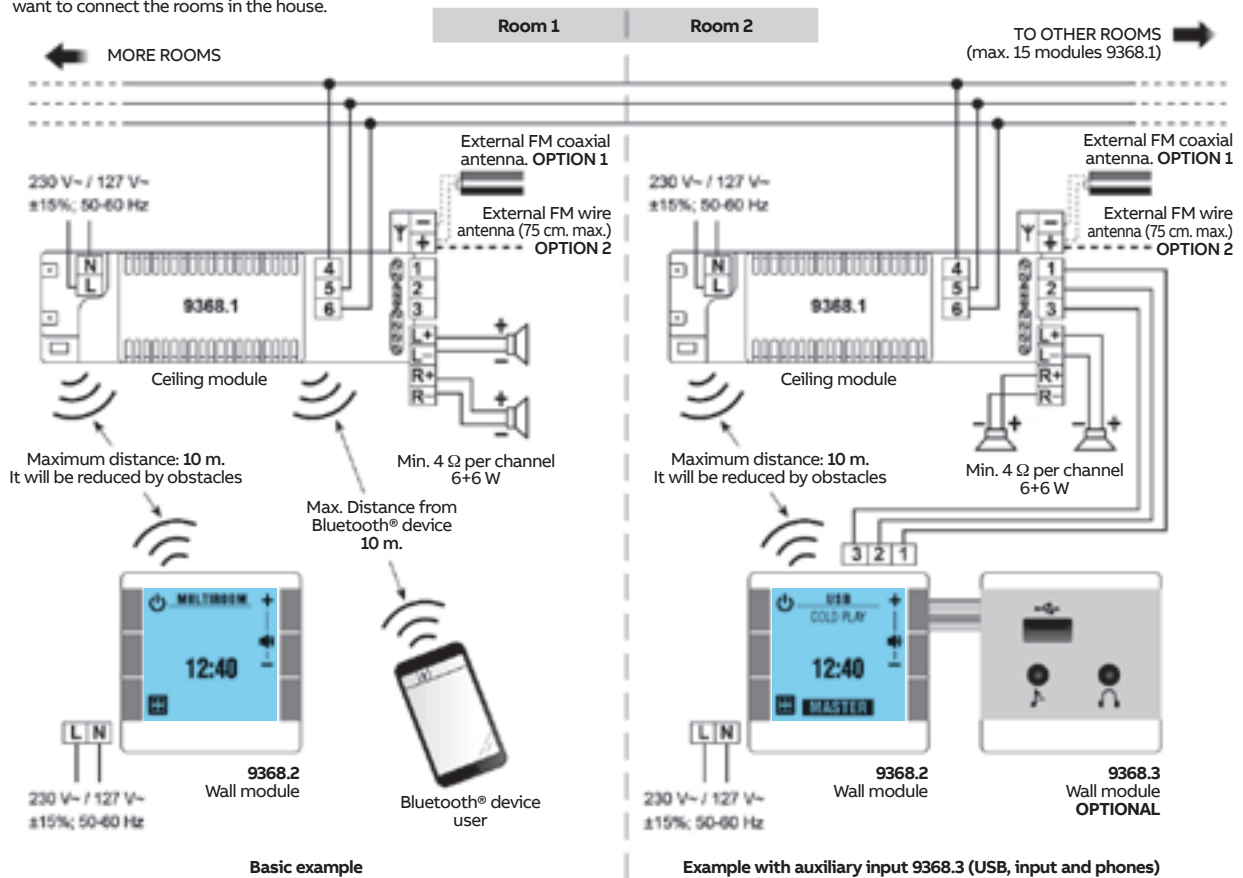
Maximum power headphone output
6+6 W; <1% distortion (4 Ω)

**Minimum impedance of headphones:**
4 Ω (6+6 W audio)

2. Wiring diagram:

BUS MULTIROOM is only necessary if there is
more than one room in the house and/or you
want to connect the rooms in the house.

Basic example

Example with auxiliary input 9368.3 (USB, input and phones)

NOTE: Because these devices are radio frequency and to avoid interference, you should not install modules of the same reference or any
other RF equipment that could interfere less than 1 m. away.
It should be noted that any obstacle between the devices, can significantly reduce the distance range between them.
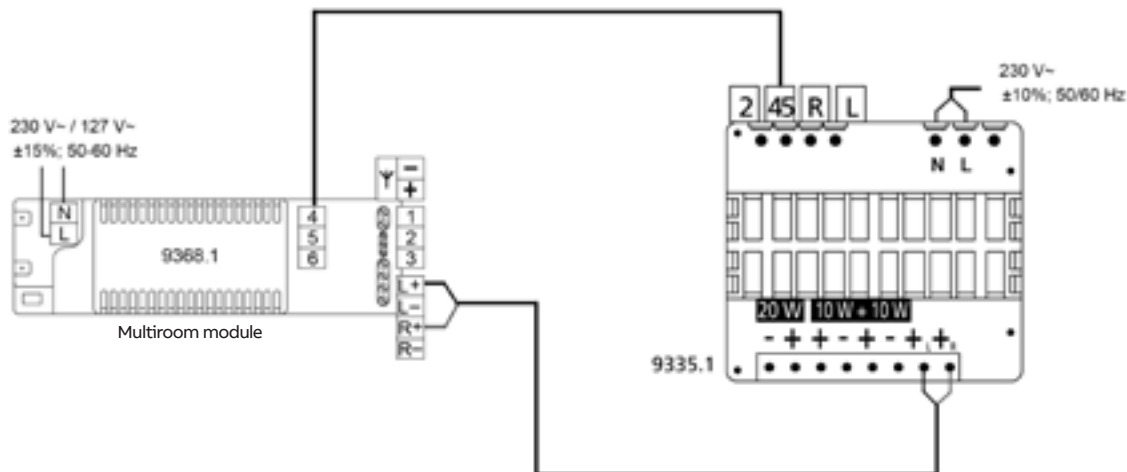
3. Mounting:
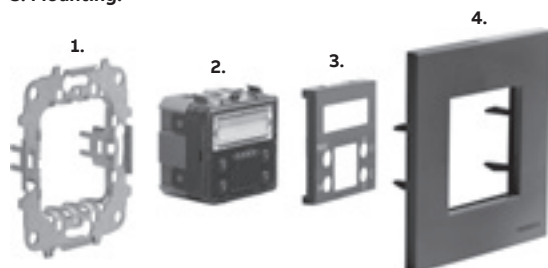
1. Mounting plate
2. Insert - 9368 / 9368.7
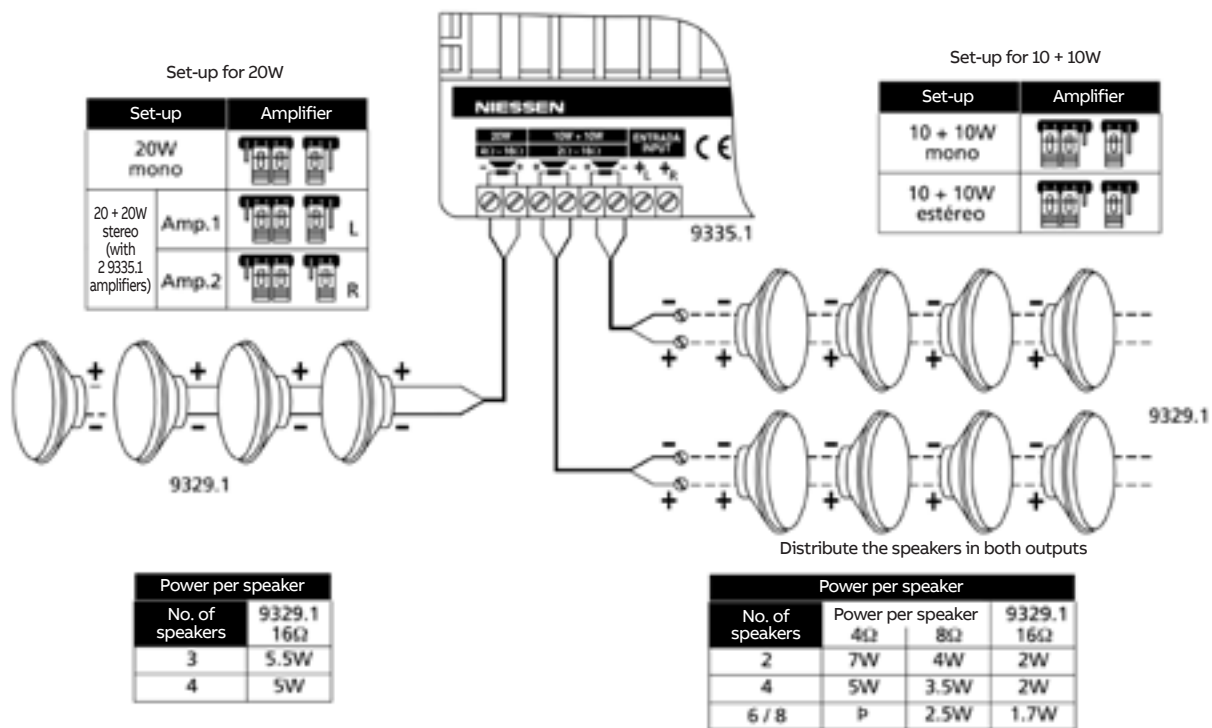3. Cover plate - N2268
4. Frame

Sound amplifier - Connection to multiroom module
9335.1 - 9368.1

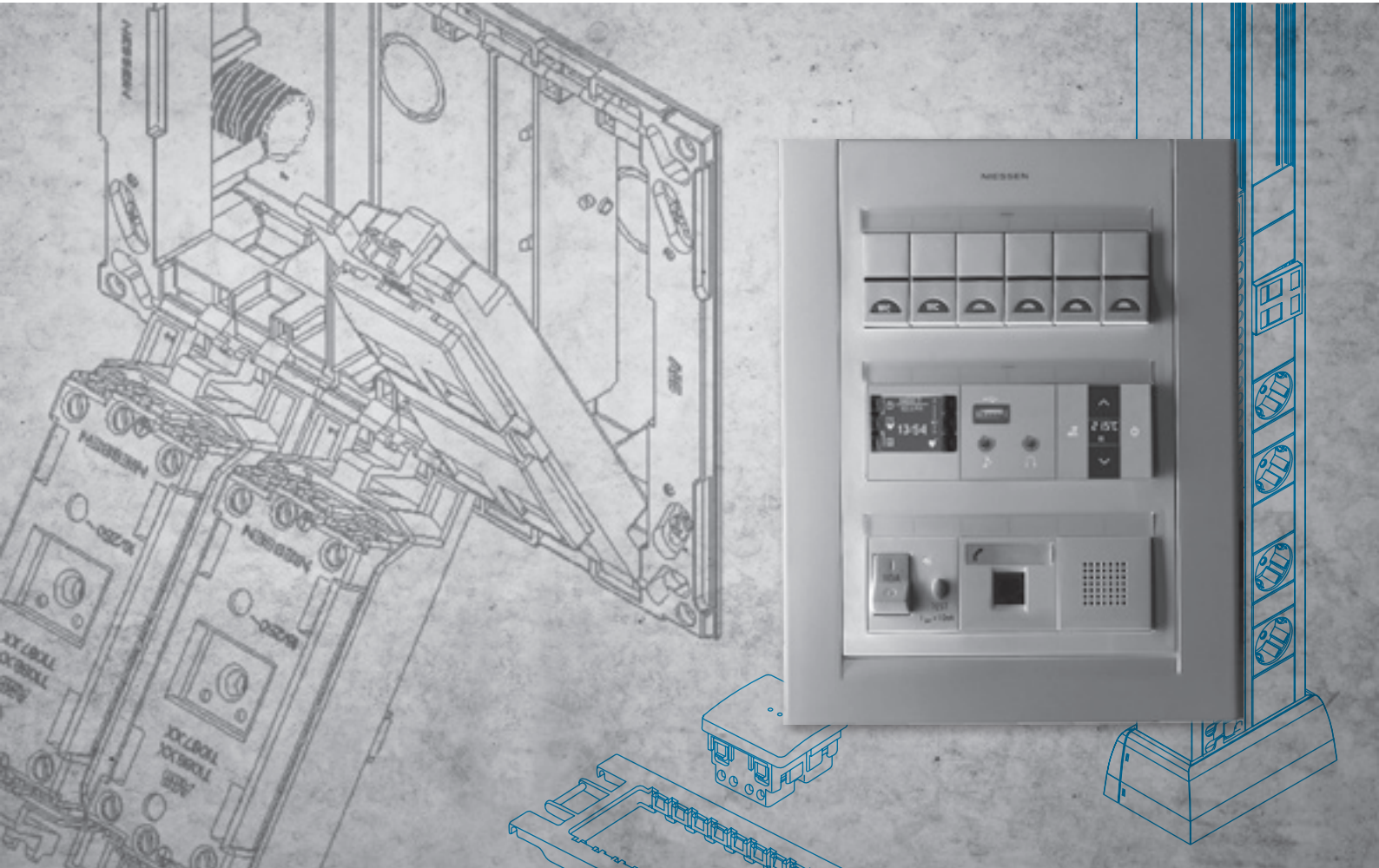**Wiring diagram of 9368.1 module to 9335.1 sound amplifier**

Multiroom module

9368.1

9335.1

Wiring diagram for 9329.1 loudspeakers to 9335.1 sound amplifier

Set-up for 20W

Set-up		Amplifier
20W mono		
20 + 20W stereo (with 2 9335.1 amplifiers)	Amp.1	L
	Amp.2	R

Set-up for 10 + 10W

Set-up	Amplifier
10 + 10W mono	
10 + 10W estéreo	

9335.1

9329.1

9329.1

Distribute the speakers in both outputs

Power per speaker	
No. of speakers	9329.1 16Ω
3	5.5W
4	5W

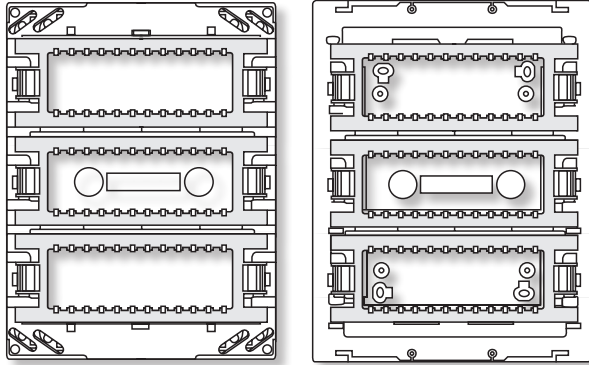| Power per speaker			
No. of speakers	Power per speaker		9329.1
	4Ω	8Ω	16Ω
2	7W	4W	2W
4	5W	3.5W	2W
6 / 8	ᵽ	2.5W	1.7W

Zenit Centralizations and Workstations
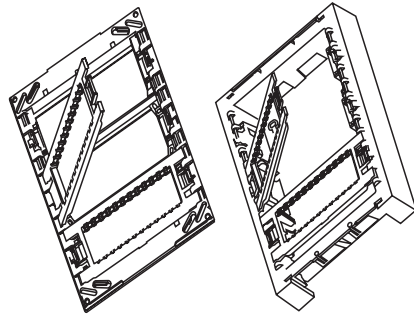## Cutting-edge connectivity

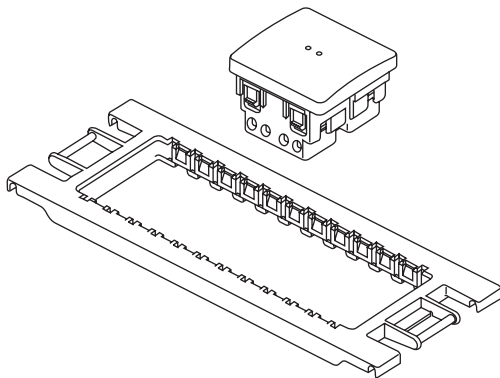# Surface and flush-mounted Centralizations

1. For the mounting of the surface and flush mounting boxes, please check the diagrams for the Workstations in the next page.

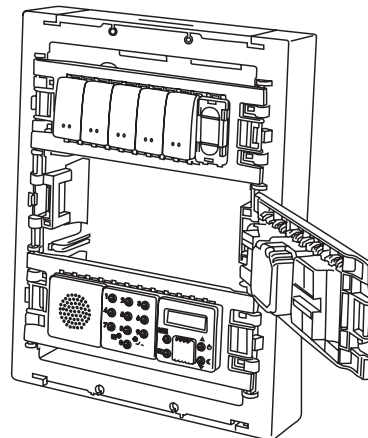**2.** Both in the surface solution and in the flush solution, there are metal mounting plates where the mechanisms are inserted.

3. The mechanisms are inserted in the mounting plate by pressure.

4. Once inserted, proceed with the wiring.

5. The mounting plate is closed by clipping.

6. Once all the devices are wired and the mounting plates correctly placed, the frame is mounted by clipping it to the box.
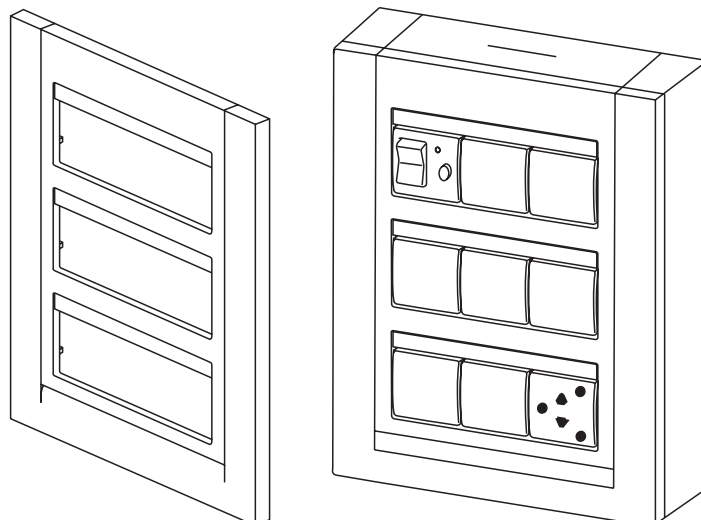
Installation of the surface mounting boxes for Workstations

T1193, T1194, T1195

Installation of the box

Linking the boxes
Rotate 90º the linking part
Cut right side
Attach both boxes by pressure
Cut left side

1

Thanks to the pre-cuts, no adapter required for trunking systems

2

3

Mount the adapter to the cable trunking

4

Tie to the wall

5
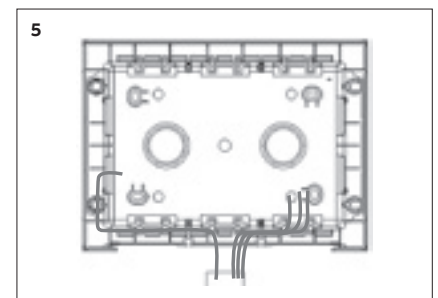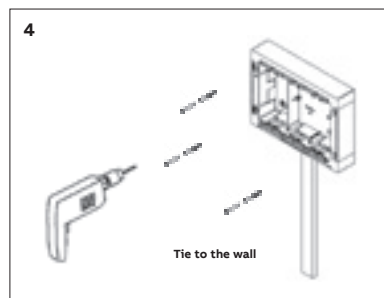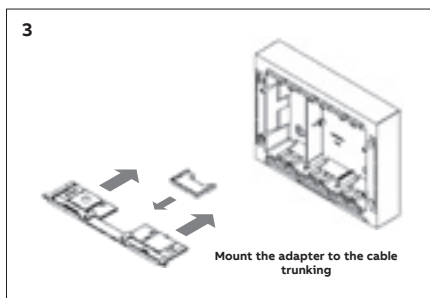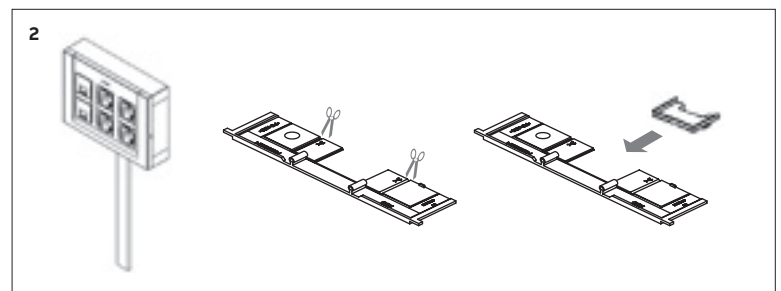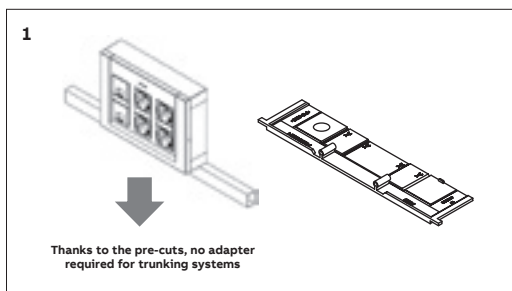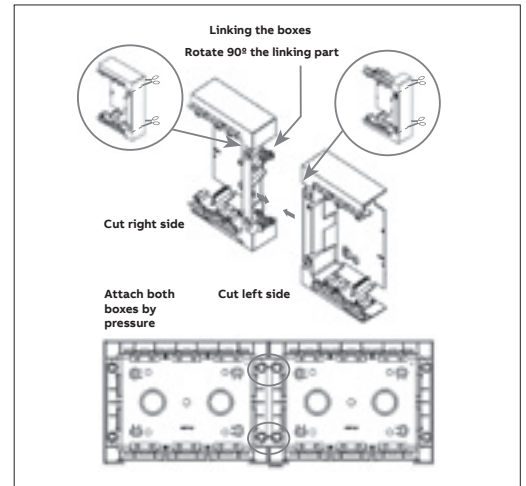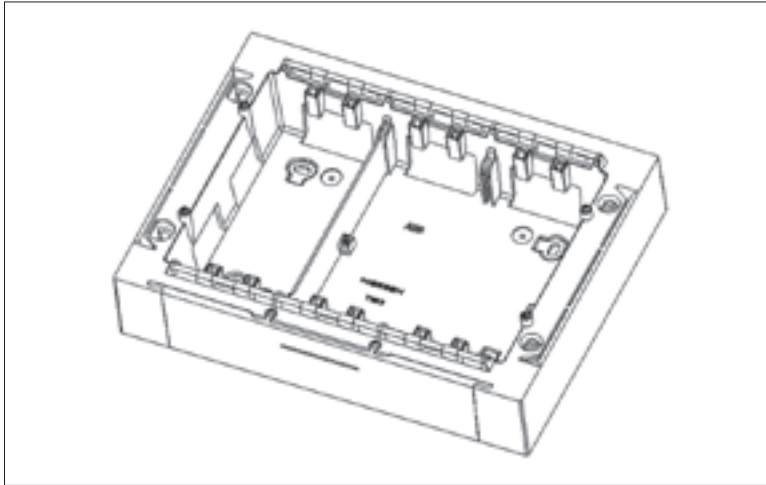
Installation of mechanisms

6

Spin

Clip

7

Clip

Connect

Spin

8

Mount the frame
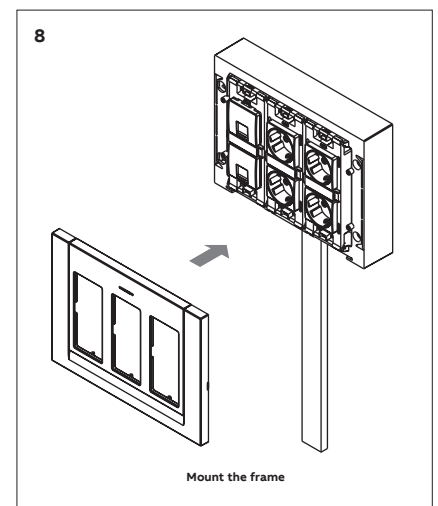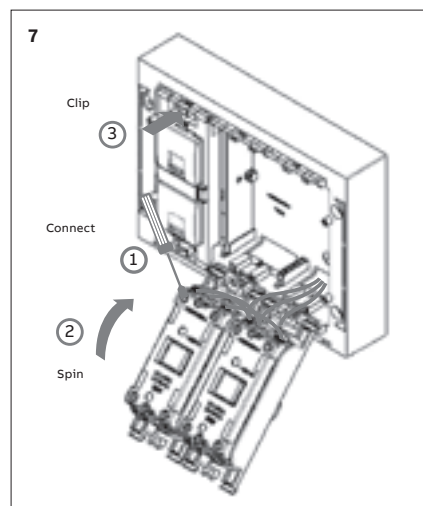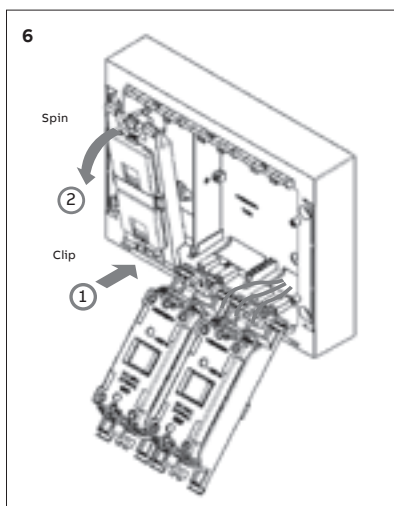
Installation of the flush mounting boxes for Workstations

T1093, T1094

Installation in cement and brick walls

1

Fold the flaps

Remove the mounting plate

2

Place, level and
plaster the box

3

Remove the cardboard

4

Mount the mounting plate

5

Level the
mounting plate

6

Tie the
mounting
plate to the box
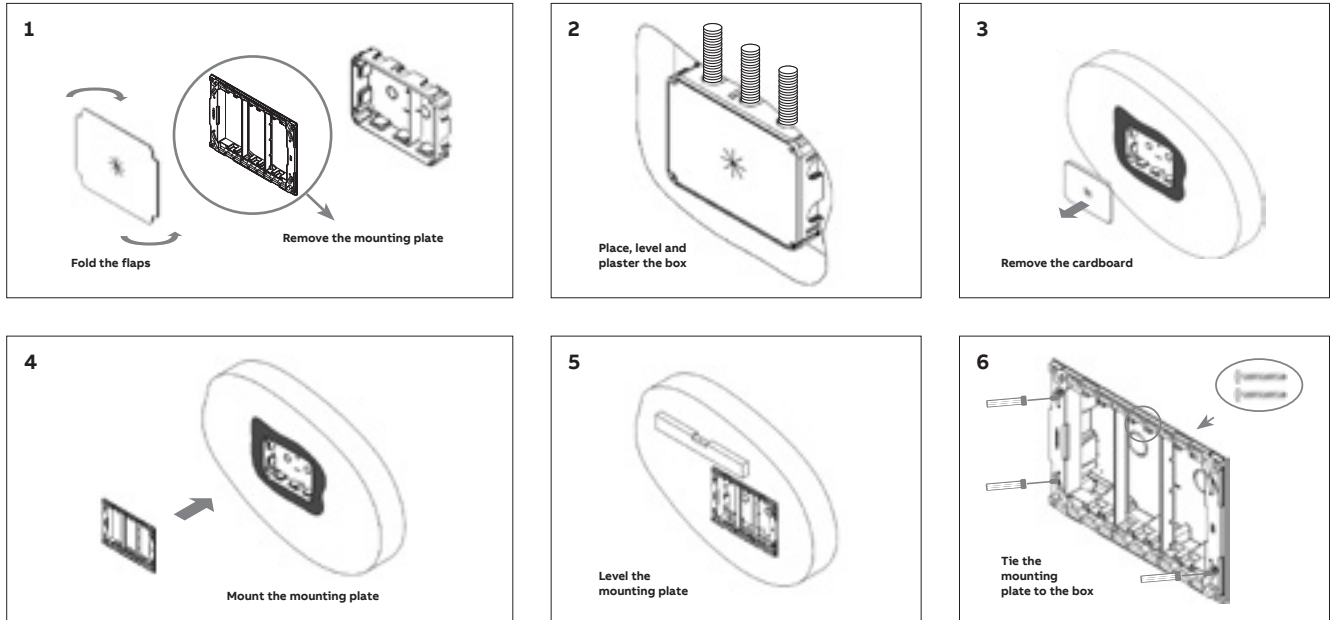
Installation in drywall / hollow partition

A   2 options   **B**

Mark with
pressure the
centers and cut
with a crown

Mark the
edges of the
box as a guide
and cut with a saw

1

Cut the
drywall

2

Enter
the box

Remove the
cardboard

3

Tighten
the claws

4

Level the
mounting plate

5

Level the
mounting
plate

Side tie option
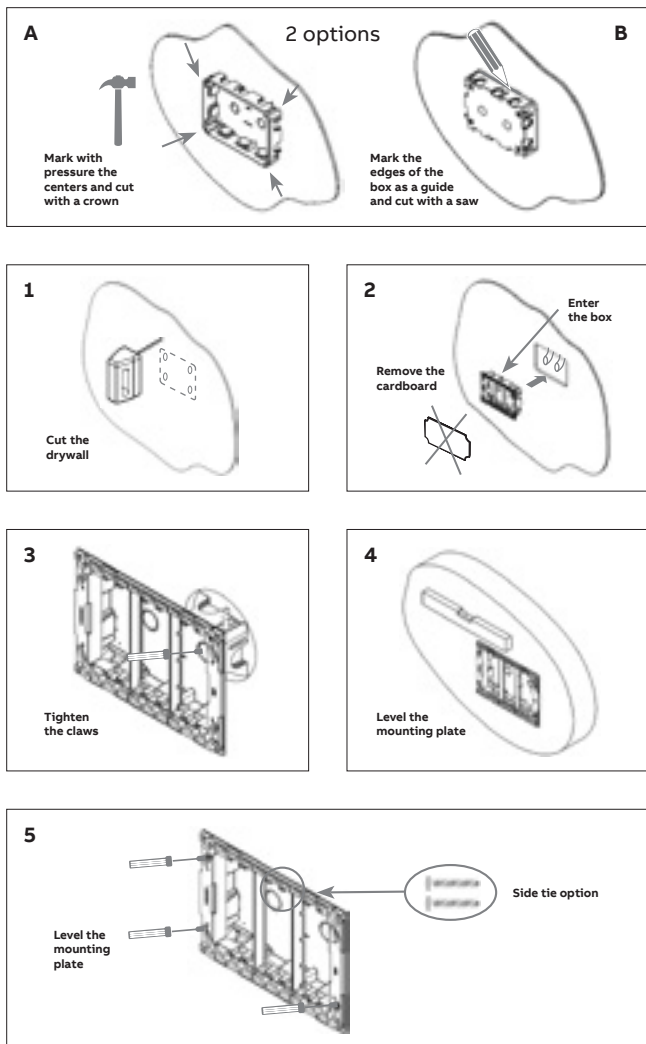
Linking the boxes in cement / brick walls

Remove the flaps
①
Mount
the links
②
③ Tie the boxes
④ Mount on the wall
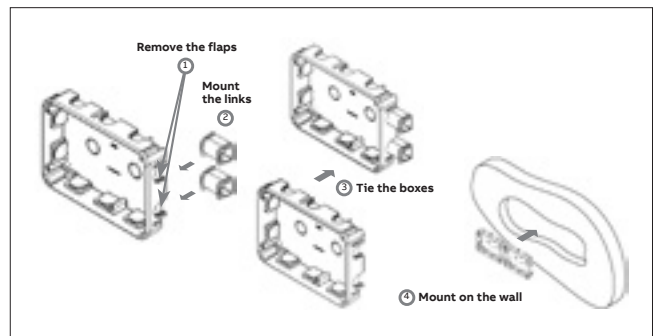
Linking the boxes in drywall / hollow partition

a

Important: keep the
ribs when cutting

Mount
the links
of the boxes

b

Hold with
the fingers the
links and place
the second box

c

Mount
the links
of the grids

d

Level and
screw the
grids and then
remove the links
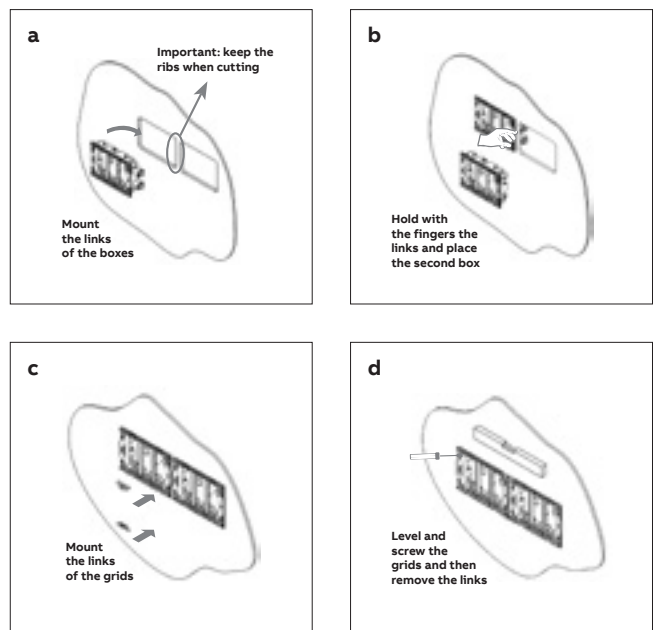
Installation of inserts in flush mounting Workstations

1

② Spin

① Clip

2

Connect ①

③ Clip

② Spin
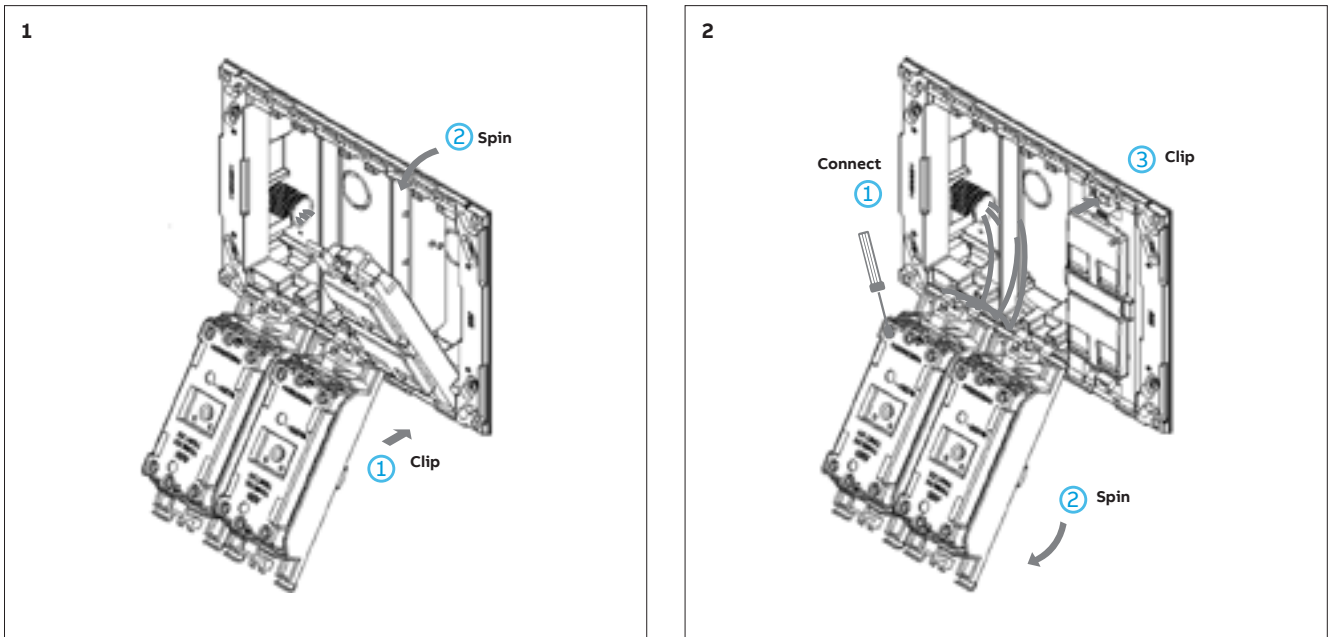
Installation of the foldable lid in the Workstations

1

Remove the trim

2

Respect the recess !!!

Cut the ends of the trim

3

Tie the structural plate

4

Tie the hinges

5

Mount the trim

6
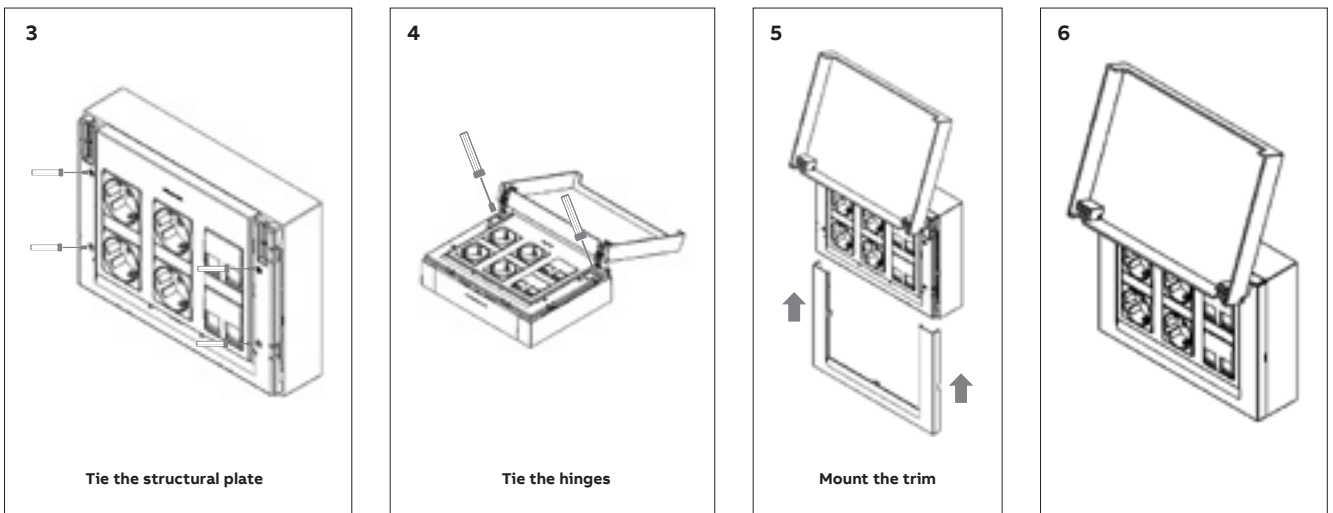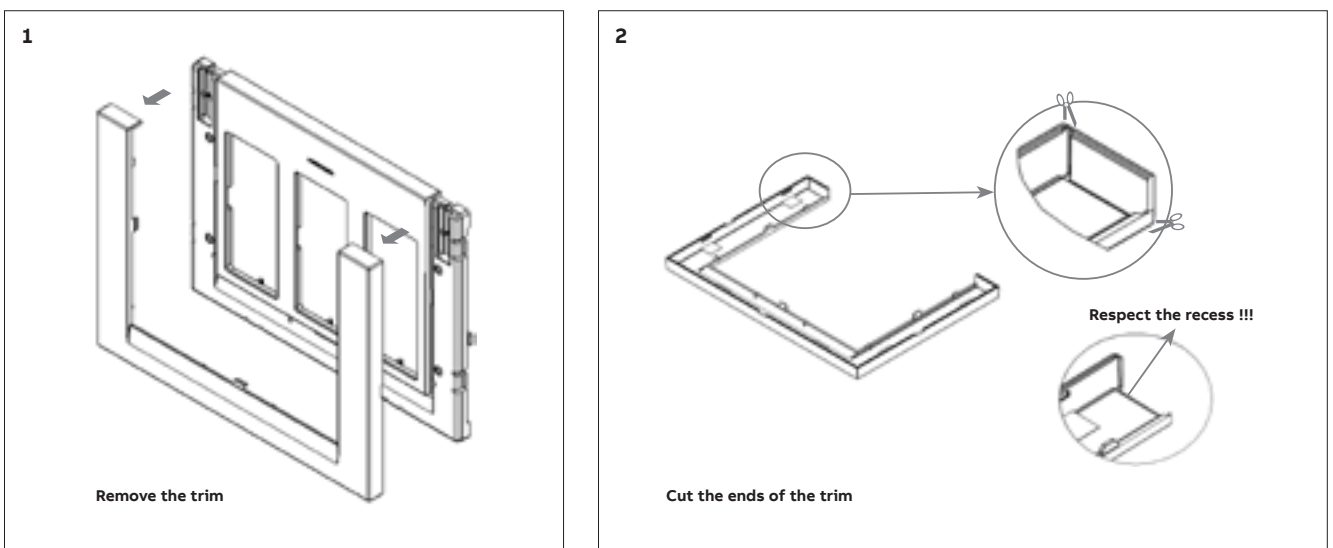
Installation of the floor box

Installation of the frame T1373 and inserts T10XX
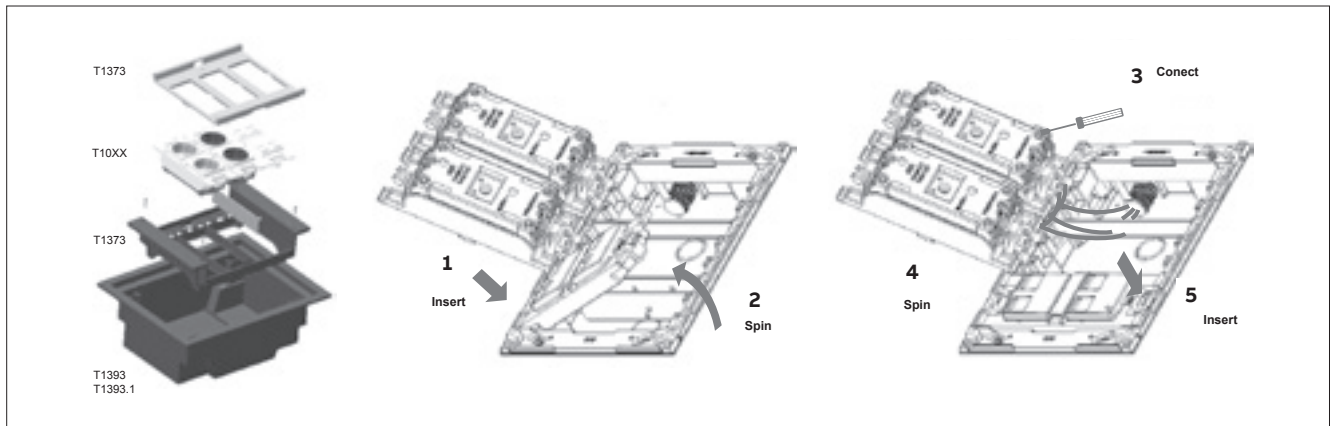
Installation in flush floor

X	273
Y	209

Installation of frame bracket T1393.4
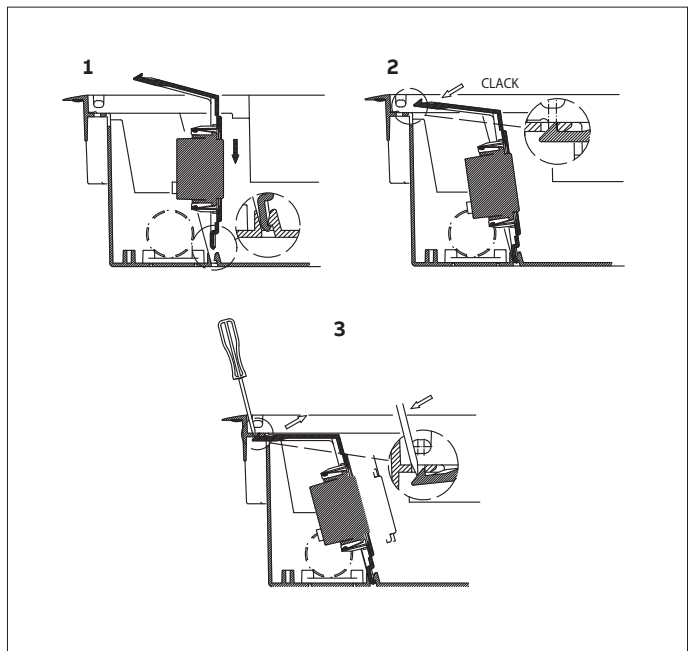
Installation in concrete floor T1393.9
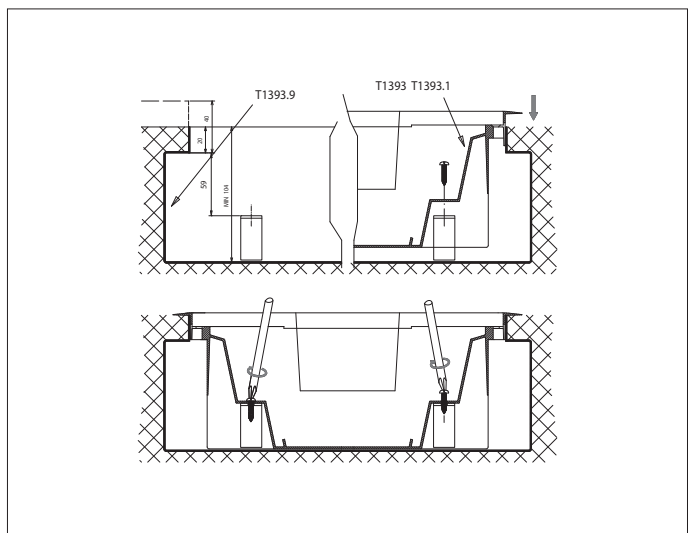
Dimensions

Frames

—
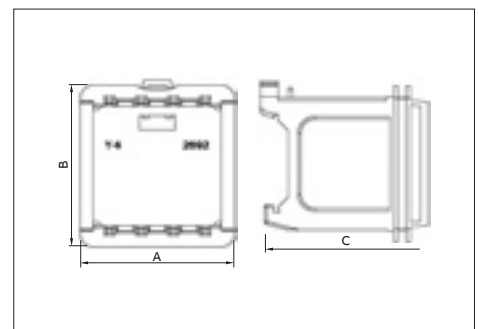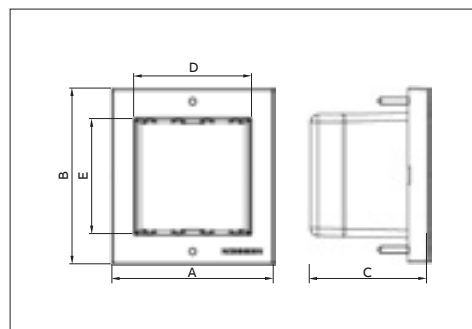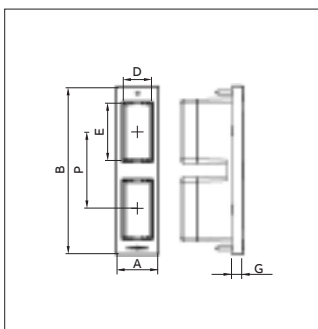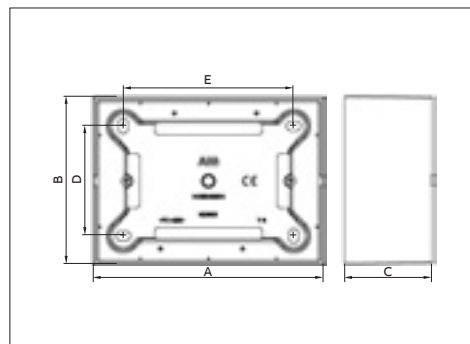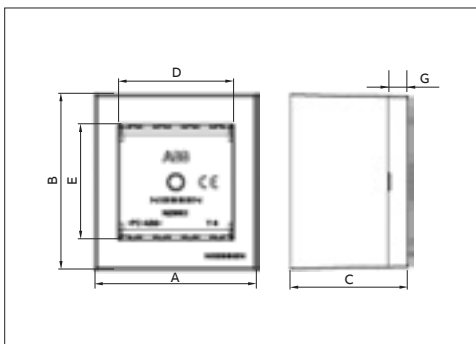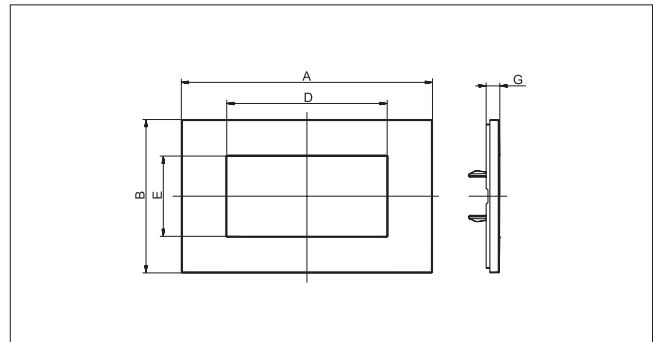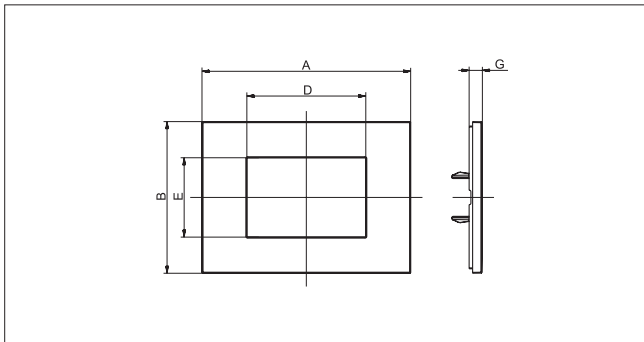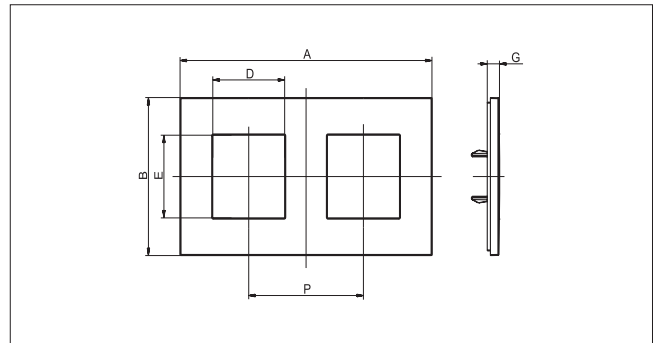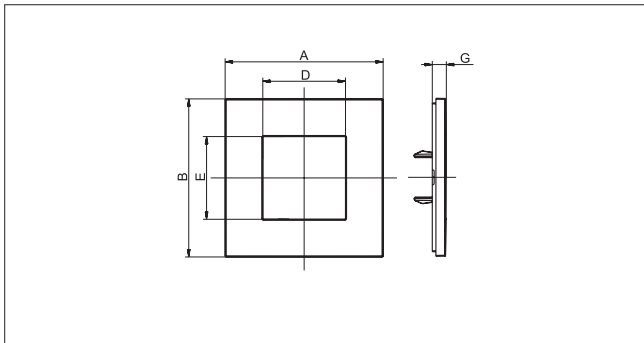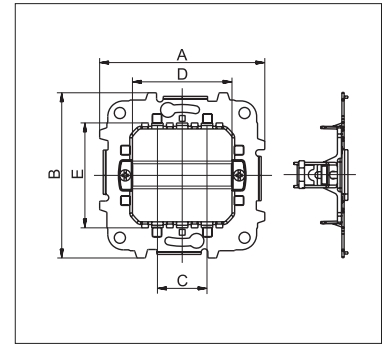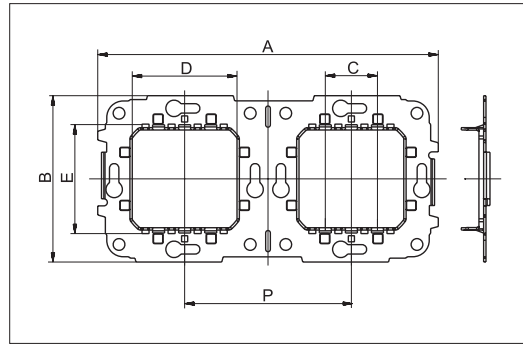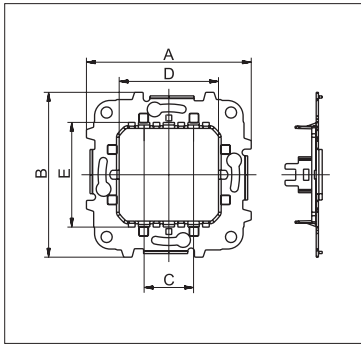
Frames

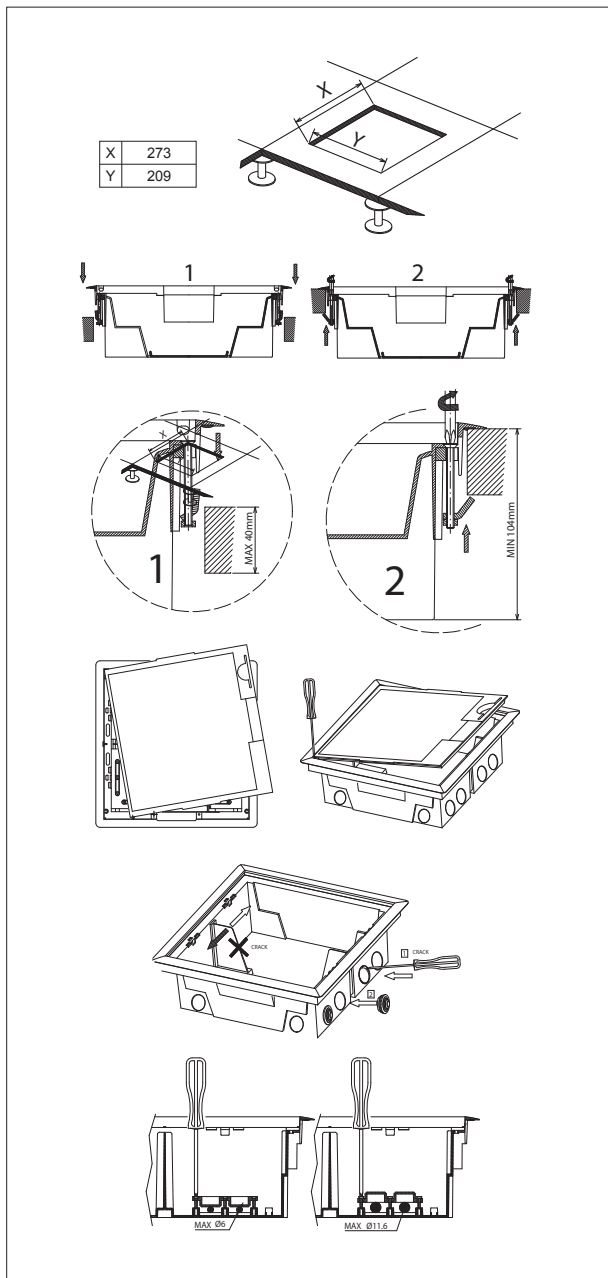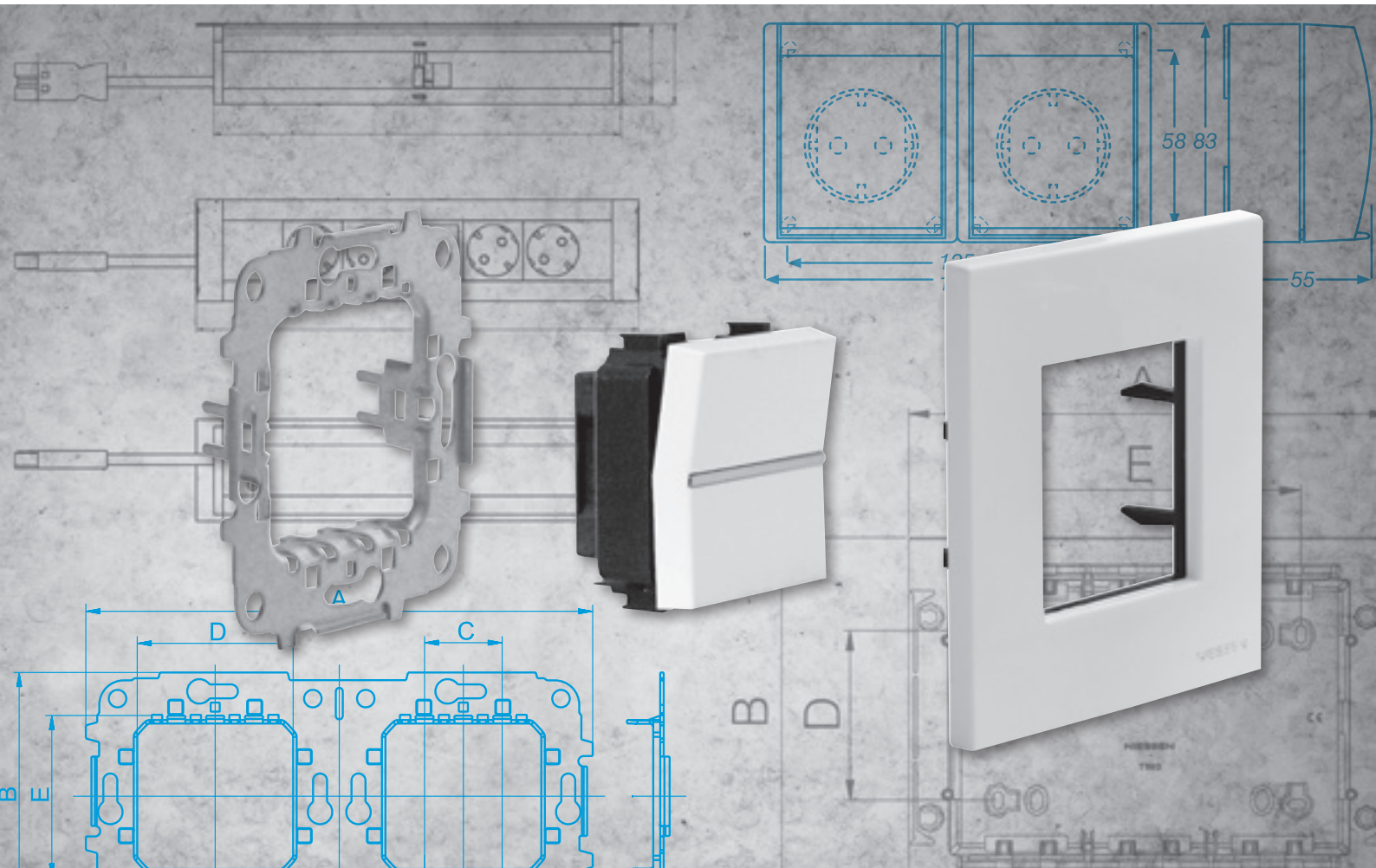| Type	Article No.	A	B	C	D	E	G	P
Frames for square boxes (60mm screw distance)	N2171 1-gang (1M)	85	85	-	22,4	44,6	7,5	-
	N2171.1 1-gang (1M)	85	85	-	22,4	44,6	7,5	-
	N2271 1-gang (2M)	85	85	-	44,6	44,6	7,5	-
	* N2271 1-gang (2M)	90	90	-	44,6	44,6	8	-
	N2271.1 1-gang (2M)	85	85	-	44,6	44,6	7,5	-
	N2272 2-gang (2M)	156	85	-	44,6	44,6	7,5	71
	* N2272 2-gang (2M)	161	90	-	44,6	44,6	8	71
	N2272.1 2-gang (2M)	156	85	-	44,6	44,6	7,5	71
	N2273 3-gang (2M)	227	85	-	44,6	44,6	7,5	71
	* N2273 3-gang (3M)	232	90	-	44,6	44,6	8	71
	N2273.1 3-gang (2M)	227	85	-	44,6	44,6	7,5	71
	N2274 4-gang (2M)	298	85	-	44,6	44,6	7,5	71
	* N2274 4-gang (4M)	303	90	-	44,6	44,6	8	71
	N2274.1 4-gang (2M)	298	85	-	44,6	44,6	7,5	71
	N2275 5-gang (2M)	369	85	-	44,6	44,6	7,5	71
Frames for 3 module boxes (83,5mm screw distance)	N2370.1 Blank	122	90	-	-	-	7,5	-
	N2371.1 1-gang (1M)	122	90	-	22,4	44,6	7,5	-
	N2371.1V 1-gang V (1M)	122	90	-	44,6	22,4	7,5	-
	N2372.1 1-gang (2M)	122	90	-	44,6	44,6	7,5	-
	* N2372.1 1-gang (2M)	122	90	-	44,6	44,6	8	-
	N2372.2 2-gang (1+1M)	122	90	-	22,4	44,6	7,5	-
	N2373.1 1-gang (3M)	122	90	-	66,8	44,6	7,5	-
	* N2373.1 1-gang (3M)	122	90	-	66,8	44,6	8	-
Frames for 4 module boxes (107mm screw distance)	N2374.1 1-gang (4M)	139,2	85	-	89	44,6	7,5	-
	* N2374.1 1-gang (4M)	142	90	-	89	44,6	8	-
Frames for 7 modules boxes (100mm screw distance)	N2777.1 1-gang (7M)	196	85	-	155,6	44,6	7,5	-
Mounting grids	N2271.9 1-gang (2M)	74	74	22,2	44,6	47	-	-
	N2272.9 2-gang (2M)	145	70,8	22,2	44,6	44,6	-	71
	N2271.9G 1-gang (2M)	74	74	22,2	44,6	47	-	-
	N2273.9 3-gang (2M)	216	70,8	22,2	44,6	44,6	-	71
	N2371.9V 1-gang (2M)	102	74	22,2	44,6	44,6	-	-
	N2373.9 1-gang (3M)	102	74	22,2	66,8	44,6	-	-
	N2374.9 1-gang (4M)	124	74	22,2	92	44,6	-	-
	N2673.9 1-gang (3+3M)	102	122	22,2	66,8	44,6	-	-
	N2777.9 1-gang (7M)	194	79	22,2	158	44,6	-	-
Surface mounting boxes	N2991.1 BL	62	68	47	44,6	44,6	8,5	-
	8591 BL	86	86	44,2	58	58	-	-
	8592 BL	157	86	44,2	58	129	-	-
	8593 BL	228	86	44,2	58	200	-	-
	N2993 BL	117	85	44,2	56	87	-	-
	N2994 BL	139,2	85	44,2	56	110,2	-	-
Frames for profiles	N2671	32	68	46,5	22,4	44,6	8,5	-
	N2671.2	32	126	46,5	22,4	44,6	8,5	-
	N2672	62	68	46,5	44,6	44,6	8,5	-
DIN-rail mounting plate	2692 BL	53,5	56	58,5	-	-	-	-

* Noble materials

IP55 flush-mounting boxes
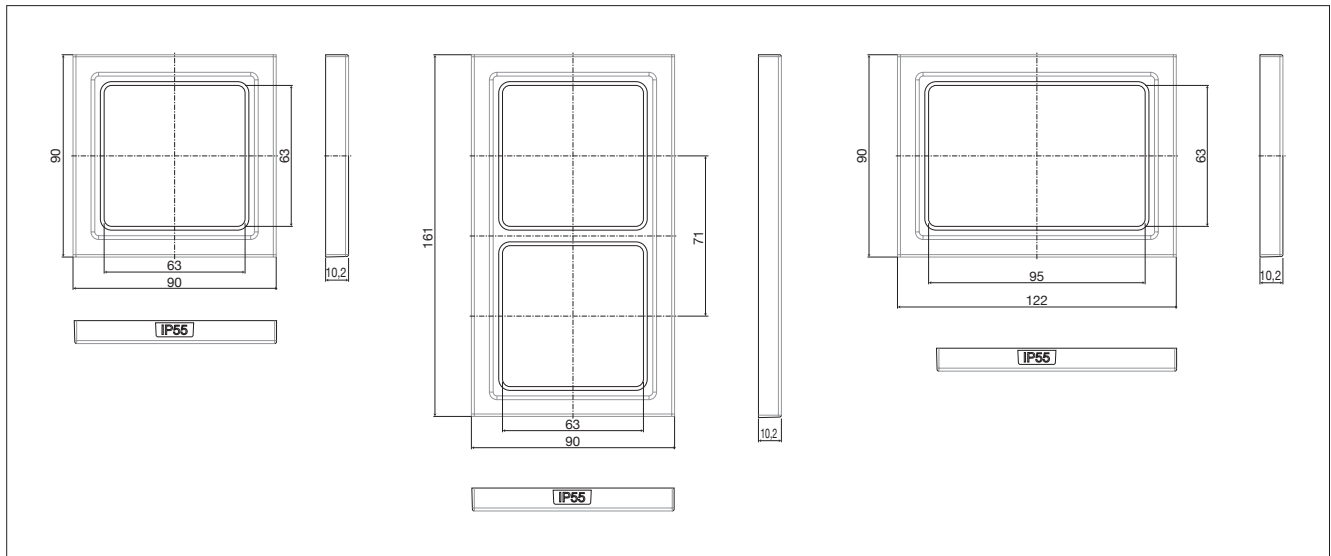
IP55 surface mounting boxes
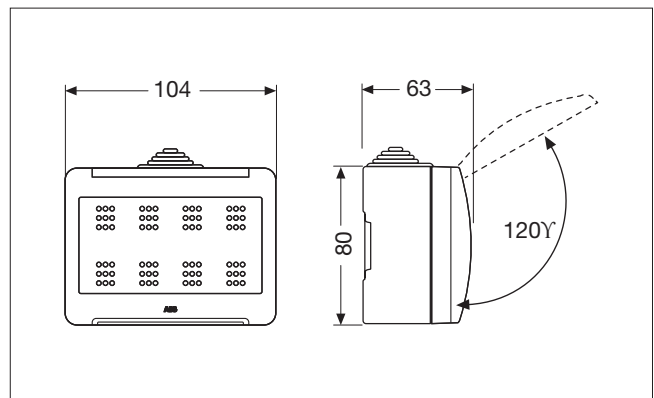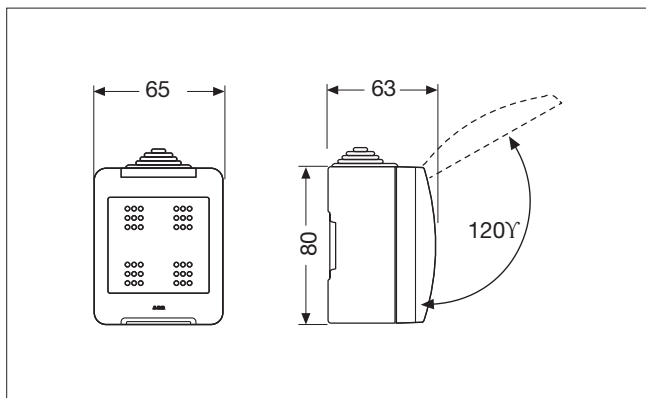
IP40 surface mounting boxes

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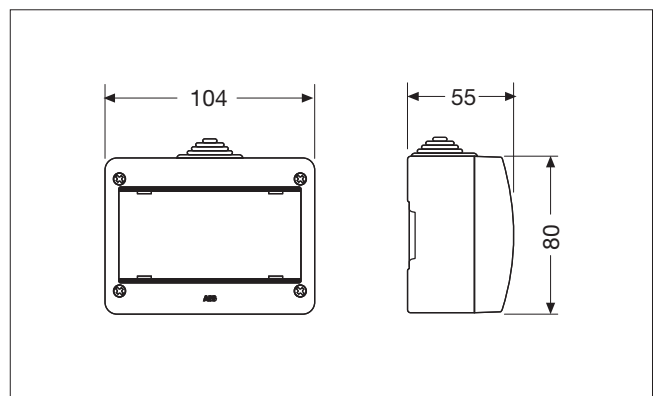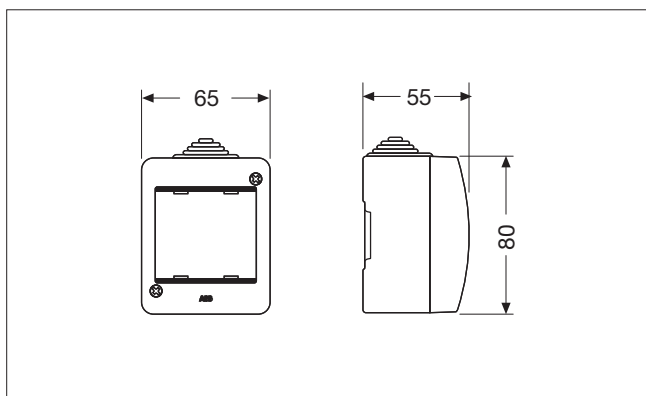
Centralizations

Surface mounting box

Ref.	A	B	C	D	E
T1292	212	204	55	117	121
T1293	212	275	55	188	121
T1294	212	346	55	259	121

Flush-mounting box

Ref.	A	B	C	D	E
T1092.1	186	178	55	-	-
T1093.1	186	249	55	-	-
T1094.1	186	320	55	-	-

Workstations

Surface mounting box

Ref.	A	B	C	D	E
T1193	235	176	45	83	146
T1194	295	176	45	83	206
T1195	355	176	45	83	266

Flush-mounting box

Ref.	A	B	C	D	E
T1093	211	150	42	-	-
T1094	271	150	42	-	-

Floor boxes T1393 y T1393.1

Floor box

Hollow to be done: 273 x 209

Metallic housing T1393.9

Adapter frame T1371.4

Note: all dimensions in mm.

Mounting boxes

1099/1199
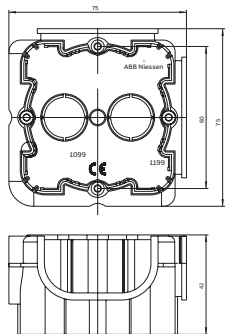
999
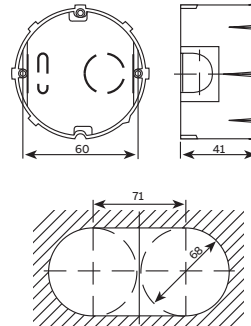
999.2
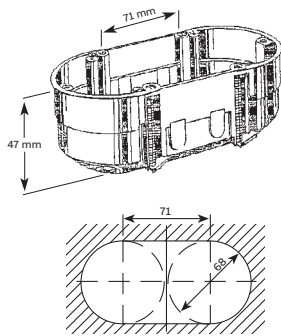
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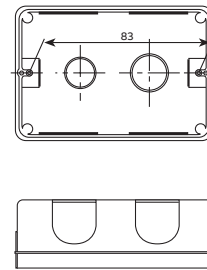
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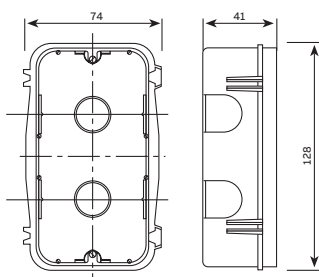
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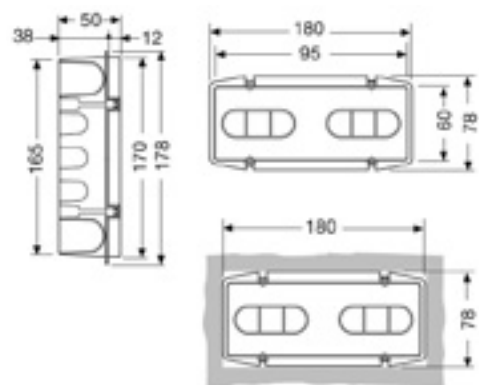
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Code	Finished	Pack. (unit)	Page
499.3		25	57
999		25	57
999.2		10	57
1099		50	57
1499.4		20	57
1499.7		5	57
2017.2		10	35
2017.3		10	35
2018		10	35
2018.5		10	35
2018.6		10	35
2018.6 S		10	35
2018.8		10	35
6122/98-509		1	128
6123/20-500		1	129
6123/21-500		1	129
6123/22-500		1	129
6123/23-500		1	129
6123/24-500		1	129
6123/26-500		1	129
6124/98-509		1	128
6125/98-509		1	128
6126/98-509		1	128
6129/96-509		1	128
6129/98-509		1	128
8140.5		1	39
8150		10	32
8150.3		10	32
8150.7		10	32
8151.3		10	32
8151.7		10	32
8151.8		10	33
8152.7		10	33
8153.5		1	38
8591	BL	6	59
8592	BL	5	59
8593	BL	1	59
9329		1	88
9329.1		1	88
9335.1		1	89
9368		1	86
9368.1		1	86
9368.2		1	86
9368.3		1	87
9368.7		1	86
9399		12	88
9399.1		12	88
9399.2		12	88
9399.4	BA, NG	5	88
BA-M-0.4.1		1	119
BI-F-2.0.1		1	118

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BI-F-4.0.1		1	118
BI-M-4.0.1		1	118
CP-MD-N2	BL, PL, AN, CV	5	116
CP-RTC-FC-N2	BL, PL, AN, CV	5	116
CP-RTC-N2	BL, PL, AN, CV	1	116
DA-M-0.4.2		1	119
DP4-1-611		1	117
DP4-1-625		1	117
DP4-F		1	117
DP4-T-1		1	117
DP7-S-611		1	117
DP7-S-625		1	117
FCA-M-2.3.1		1	119
HA-M-0.6.1		1	119
HA-M-0.12.1		1	119
MD-F-1.0.PB.1		1	115
MSA-F.1.1.PB.1		1	115
N2004.1		10	24
N2004.2		10	24
N2004.3		10	24
N2004.4		10	24
N2004.5		10	24
N2004.6		10	24
N2071.8		10	56
N2071.9		20	56
N2100	BL, PL, AN, CV	10	41
N2101	BL, PL, AN, CV	20	20
N2101.2	BL, PL, AN, CV	20	21
N2101.5	BL, PL, AN, CV	5	22
N2101.9	BL, PL, AN, CV	10	24
N2102	BL, PL, AN, CV	20	20
N2102.2	BL, PL, AN, CV	5	21
N2102.5	BL, PL, AN, CV	5	22
N2104	BL, PL, AN, CV	20	23
N2104.2	BL, PL, AN, CV	20	23
N2104.5	BL, PL, AN, CV	5	22
N2104.6	BL, PL, AN, CV	5	23
N2104.7	BL, PL, AN, CV	20	24
N2107	BL, PL, AN, CV	10	41
N2108	BL, PL, AN, CV	20	31
N2110	BL, PL, AN, CV	20	21
N2117.6	BL, PL, AN, CV	20	34
N2118.1	BL, PL, AN, CV	10	35
N2118.3	BL, PL, AN, CV	10	34
N2119	BL, PL, AN, CV	10	41
N2128	BL, PL, AN, CV	20	29
N2133	BL, PL, AN, CV	20	28
N2133.1	BL, PL, AN, CV	20	29
N2135	BL, PL, AN, CV	20	29
N2136	BL, PL, AN, CV, RJ	10/5	29
N2136.2	BL, PL, AN, CV, RJ	10/5	30

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N2138	BL, PL, AN, CV	20	29
N2144	BL, PL, AN, CV	5	26
N2148	BL, PL, AN, CV	5	25
N2150	BL, PL, AN, CV	10	34
N2150.7	BL, PL, AN, CV	10	34
N2153.1	BL, PL, AN, CV	1	25
N2155.2	BL, PL, AN, CV	1	36
N2155.3	BL, PL, AN, CV	1	36
N2155.4	BL, PL, AN, CV	1	36
N2155.5	BL, PL, AN, CV	1	36
N2155.6	BL, PL, AN, CV	1	36
N2155.7	BL, PL, AN, CV	1	36
N2155.8	BL, PL, AN, CV	1	36
N2155.9	BL, PL, AN, CV	1	36
N2170	VD, BL, AN, CR, CV	20	27
N2171	BL	20	45
N2171.1	BL	20	44
N2180	BL, RJ, VD	5	40
N2180.1	BL	5	40
N2180.4	BL, PL, AN, CV	5	40
N2180.5	BL, PL, AN, CV	5	40
N2185	BL, PL, AN, CV	1	30
N2185.2	BL, PL, AN, CV	1	30
N2191	BL, VD	10	27
N2191.1	BL	10	27
N2192	RJ, NG	10	27
N2192.1	NG	10	27
N2193	VD, NG	20	27
N2200	BL, PL, AN, CV	20	41
N2201	BL, PL, AN, CV	10	20
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N2201.8	BL, PL, AN, CV	5	21
N2201.9	BL, PL, AN, CV	10	24
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N2217.1	BL, PL, AN, CV	5	34
N2217.6	BL, PL, AN, CV	10	34
N2218.1	BL, PL, AN, CV	10	35

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N2218.2	BL, PL, AN, CV	10	35
N2218.3	BL, PL, AN, CV	10	34
N2219	BL, PL, AN, CV	10	41
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N2240.5	BL, PL, AN, CV	5	39
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N2241.4	BL, PL, AN, CV	1	129
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N2248	BL, PL, AN, CV	5	25
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N2260.3	BL, PL, AN, CV	1	37
N2260.8	BL, PL, AN, CV	1	37
N2260.9	BL, PL, AN, CV	1	37
N2261.2	BL, PL, AN, CV	1	26
N2262	BL, PL, AN, CV	1	39
N2262.1	BL, PL, AN, CV	1	39
N2268	BL, PL, AN, CV	1	87
N2268.3	BL, PL, AN, CV	1	87
N2270	VD, BL, CR, AN, CV	20	27
N2271	BL, AN, PL, CV, PZ, OX, WG, CB, CN, CP, CH, CC, CF	20/1	45, 46, 47

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N2271.1	BL, PL, AN, CV	20	44
N2271.9		20	56
N2271.9G		20	56
N2272	BL, AN, PL, CV, PZ, OX, WG, CB, CN, CP, CH, CC, CF	10/1	45, 46, 47
N2272.1	BL, PL, AN, CV	10	44
N2272.9		20	56
N2273	BL, AN, PL, CV, PZ, OX, WG, CB, CN, CP, CH, CC, CF	5/1	45, 46, 47
N2273.1	BL, PL, AN, CV	5	44
N2273.9		20	56
N2274	BL, AN, PL, CV, PZ, OX, WG, CB, CN, CP, CH, CC, CF	5/1	45, 46, 47
N2274.1	BL, PL, AN, CV	5	44
N2275	BL, PL, AN, CV	5	45
N2280	BL	1	40
N2280.2	RJ, VD	1	40
N2281	BL	1	40
N2281.1		5	40
N2285	BL, PL, AN, CV	1	30
N2287	BL, PL, AN, CV, RJ	10	28
N2287.6	BL, PL, AN, CV, RJ, VD	10	28
N2288	BL, PL, AN, CV, RJ, VD, NA	10/5	28
N2288.1	BL, PL, AN, CV	10	28
N2288.6	BL, PL, AN, CV	10	28
N2301	BL, PL, AN, CV	10	20
N2301.9	BL, PL, AN, CV	5	24
N2302	BL, PL, AN, CV	10	20
N2304	BL, PL, AN	10	23
N2310	BL, PL, AN, CV	10	21
N2328	BL, PL, AN, CV	20	29
N2338	BL, PL, AN, CV	20	29
N2370	BL, AN, CV	20	27
N2370.1	BL, PL, AN, CV	10	50
N2371.1	BL, PL, AN, CV	10	50
N2371.1V	BL, PL, AN, CV	10	50
N2371.9V		20	56
N2372.1	BL, PL, AN, CV, CB, CN, PZ, OX, WG	10	50, 51
N2372.2	BL, PL, AN, CV	10	50
N2373.1	BL, PL, AN, CV, CB, CN, PZ, OX, WG, BN, NT, AL, ON, BR, MG, SI	10/2	50, 51, 52
N2373.9		20	56
N2374.9		20	56
N2374.1	BL, PL, AN, CV, CB, CN, WG, OX, PZ	10	52, 53
N2473.6	BL, PL, AN, CV	20	55
N2573	BL, PL, AN, CV	20	55
N2573.9		20	56
N2670	BL, PL, AN, CV	5	54
N2671	BL, PL, AN, CV	10	57
N2671.1	BL, PL, AN, CV	5	54
N2671.2	BL, PL, AN, CV	5	57
N2672	BL, PL, AN, CV	6	57
N2672.2	BL, PL, AN, CV	5	54
N2672.4	BL, PL, AN, CV	5	54
N2673.6	BL, PL, AN, CV, CB, CN, PZ, OX, WG	5	54

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N2673.9		10	56
N2692	BL	10	57
N2777.1	BL, PL, AN, CV	5	53
N2777.9		20	56
N2801	BL, PL, AN, CV	10	20
N2802	BL, PL, AN, CV	10	20
N2810	BL, PL, AN, CV	10	21
N2870	BL, AN, CV	20	27
N2991.1	BL	10	59
N2993	BL	10	59
N2994	BL	5	59
N2999	BL	10	59
N3002	BL	10	60
N3004	BL	10	60
N3088	BL	10	60
N3202		10	61
N3204		10	61
N3271	BL, GR, AN	10	60
N3272	BL, GR, AN	5	60
N3373	BL, GR, AN	5	60
N3288		10	61
N3291		10	61
N3291.1		10	59
N3292		10	61
N3292.1		10	59
N3293		5	61
N3293.1		5	59
N3391		10	61
N3391.1		10	59
PS-M-64.1.1		1	117
RTC-F-1.PB		1	115
SA-M-0.4.1		1	118
SA-M-8.8.1		1	118
SAP-1-WL		1	117
SAP-S-2		1	117
SBA-F-1.1.PB.1		1	115
SBA-F-2.1.PB.1		1	115
SBB-N2	BL, GR	20	116
SBD-N2	BL, GR	20	116
SBL-N2	BL, GR	20	116
SBS-N2	BL, GR	20	116
SDA-F-1.1.PB.1		1	114
SDA-F-2.1.PB.1		1	114
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SSA-F-1.1.PB.1		1	114
SSA-F-2.1.PB.1		1	114
SSA-F-2.2.PB.1		1	114
SU-F-1.0.PB.1		1	114
SU-F-2.0.PB.1		1	114
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T1018.2	BL, PL	10	79
T1018.4	BL, PL	10	79
T1034	BL, PL	10	79
T1087	BL, RJ	5	79
T1088	BL, PL, RJ, RP	5	79
T1092.1		1	68
T1093		1	76
T1093.1		1	68
T1094		1	76
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T1173	BL, PL, TT	1	77
T1173.5		1	77
T1174	BL, PL, TT	1	77
T1174.5		1	77
T1175	BL, PL, TT	1	77
T1175.5		1	77

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T1193	BL, PL	1	76
T1194	BL, PL	1	76
T1195	BL, PL	1	76
T1272	BL, BP, PL, AN	1	69
T1273	BL, BP, PL, AN	1	69
T1274	BL, BP, PL, AN	1	69
T1292	BL, PL, AN	1	68
T1293	BL, PL, AN	1	68
T1294	BL, PL, AN	1	68
T1371.4		6	78
T1373		20	78
T1393		1	78
T1393.1		1	78
T1393.9		1	78
WS-1		1	117

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