

Step

A decisive step forward

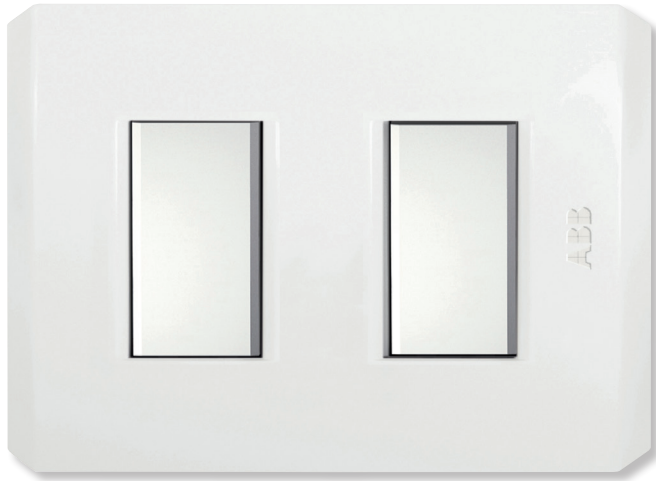




ABB, the world leader in the manufacture and design of high quality switches, presents the new Step series. With over 100 years experience manufacturing switches, ABB has dedicated all its experience to ensuring that the Step series offers the Aesthetics and Quality that raise the level of basic switch range for the Home Electrical Equipment.

A step forward in ergonomics and quality

With unbeatable value. A Step forward in switch
technology and design.



The Step series has two outstanding finishes that reinforce the elegance of the range and its consistency with modern trends in design and decoration with a switch for the 21st century.

ABB is committed to the future and taking a step forward in the offer of switch ranges.

Features



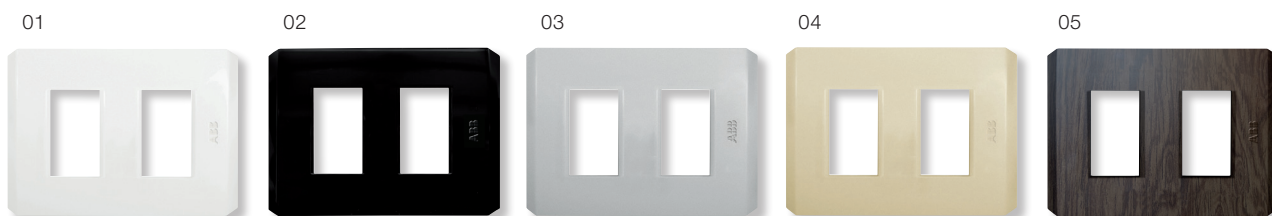
The frame of Step is generously sized at 112 x 80.5 mm to compensate for any imperfections when fitting boxes to walls.



The blue LED in the horizontal window of the pilot light switches has an innovative design that reduces energy consumption and increases its life cycle. A step forward in useful life and energy efficiency.



A step forward in design. The finishes of the Step series are modern, bright and innovative; White, Black, Silver, Champagne and Wenge in line with the most refined trends in decoration.



Step finishes

01 White

02 Black

03 Silver

04 Champagne

05 Wenge

Ease of installation and robustness

The secret of installing/mounting switches well lies in their structure. The Step series offers a wide number of advantages for installation.



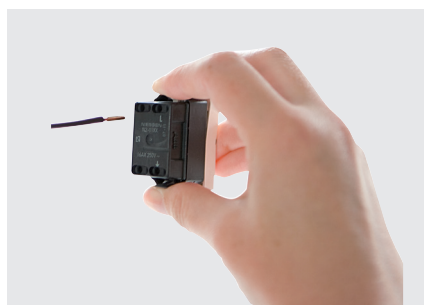
ABB has created the first plastic mounting plate that guarantees that the mechanisms and plate are fixed firmly throughout the life of the product.

In order to simplify the work and reduce installation time, ABB has developed new front-loading mechanisms that ensure safe assembly and exceptional steadiness during the life of the product.

Solutions that make the task easier, safer and faster.

A step forward in convenience, quality and safety for installation.

Automatic connection



1. Strip about 14 mm of cable and introduce in the terminal.



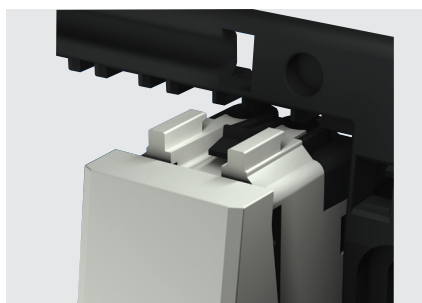
2. Press the pusher and insert the cable.



3. Release the pusher and check the fastening.
To disconnect the cable, press the pusher again from up and down.

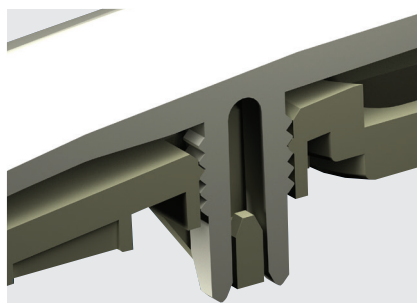


Step has a high-strength and high-rigidity reinforced mounting plate. With an exclusive system for fixing the mechanisms that prevents them from sinking or moving over time.



Robust and compact mechanisms

That are inserted from the front, intuitively, simply and without interference. The exclusive Step guiding system also allows the mechanisms to be extracted from the front without taking the mounting plate apart from the wall. We have reduced the depth of the mechanism to make wiring easier. A step forward in easy installation.



Frames

The frames are fitted with 3-position saw tooth clips that allow the height of the plate to be adjusted by up to 3 mm. The clips have 8 locking positions (2 per clip) to ensure that the switches and frames can be fitted independently of any unevenness or imperfection on the wall.

A step forward for safer features



The Step rocker switches are connected at the back, creating a safety gap between the wires of the mechanisms. A step forward in safety.

Ergonomic mechanisms with large 40 x 22 mm key.



The connectors of the mechanisms allow the use of flexible cable of up to 12 AWG and wires of up to 10 AWG.



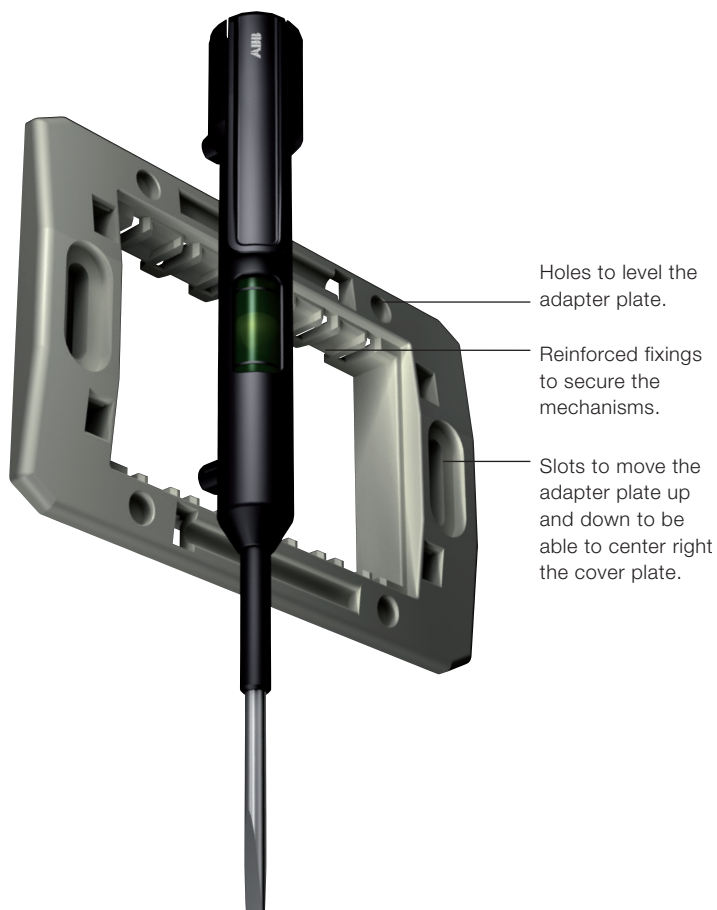
In the Step series, all the sockets have a real childproof protection, guaranteeing the safety, especially of children, in the most adverse conditions and complying with IEC-608841.



The raw material, exclusively used by ABB, has the highest thermal, mechanical and electrical resistance available on the market for a basic range, always ensuring the maximum safety of our installations. These high-performance materials guarantee a perfect installation of the mechanisms.

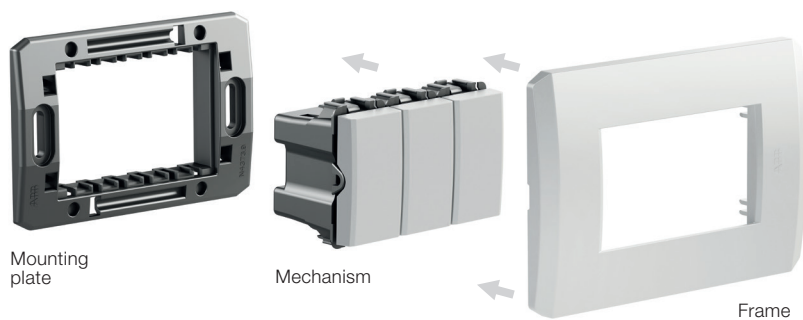
Easy installation

The mounting plate can be centred and leveled by the slots at the sides of the plate, position it correctly, however the pre-installation is done.

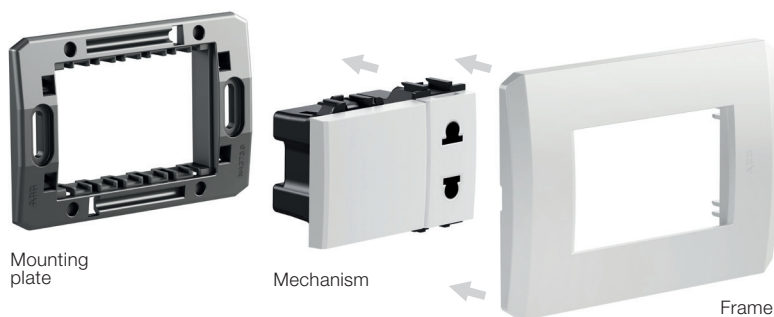


Step

Composition Step Switch



Composition Step Socket outlet



Insertable mechanisms 1 module



- Robust, compact mechanisms that are inserted in the mounting plate from the front intuitively, simply and without interference. The exclusive Step guide system also allows mechanisms to be extracted from the front without having to dismantle the mounting plate. We have reduced the depth of the mechanism to make wiring easier. A step forward for easy installation.
- The Step rocker switches are connected at the back, ensuring a safety gap between the mechanism wiring. A step forward in safety.
- Thinner mechanism, only 21 mm height, leaving more space for the wire connections.

Rocker switches



Description	Code	Technical Data
Rocker switch	N4101.A BP NP	10 AX ; 127 V~ - 250 V~
Rocker switch 2-way	N4102.A BP NP	10 AX ; 127 V~ - 250 V~
Intermediate switch	N4110.A BP NP	10 AX ; 127 V~ - 250 V~

Step

Push buttons



Description	Code	Technical Data
Push button with bell symbol	N4104.A BP NP	10 A ; 127 V~ - 250 V~

Socket outlets



Description	Code	Technical Data
Socket outlet 2P Euro-American	N4135 BP NP	16 A ; 250 V~

Rockers switches with indicator lamp



Description	Code	Technical Data
Rocker switch	N4101.3A BP NP	10 AX ; 127 V~ - 250 V~
Rocker switch 2-way	N4102.3A BP NP	10 AX ; 127 V~ - 250 V~ With blue LED

Various



Description	Code	Technical Data
Blanking plate	N4100 BP NP	

Push buttons with indicator lamps



Description	Code	Technical Data
Push button with bell symbol	N4104.3A BP NP	10 A ; 127 V~ - 250 V~ With blue LED



Description	Code	Technical Data
Cable outlet	N4107 BP NP	

Socket outlets



Description	Code	Technical Data
Nema type socket outlet 2P+T	N4128 BP NP	15 A ; 250 V~ Childproof



Description	Code	Technical Data
Buzzer	N4119 BP NP	8 VA ; 127 V~ - 250 V~ Tone dimming by an screw. Acoustic power at 1m: 75dB

Step

Telephone outlets



Description	Code	Technical Data
Telephone outlet with 4 contacts	N4117 BP NP	RJ11 with 4 contacts, category 3. Connection without screws. Comply with FCC, part 68, F.

TV outlets



Description	Code	Technical Data
TV simple plug	N4150.7 BP NP	Socket for installation in star connection (without resistance EOL).

Communication connectors



Description	Code	Technical Data
Universal data connection box with 8 contacts, category 5E (improved) UTP	N4118.5 BP NP	Frequency rate: 1-160 M Hz. Transmission rate: 1,2 Gb. sec. In compliance with FCC part 68, subpart, F.
Universal data connection box with 8 contacts, category 6 (improved) UTP	N4118.6 BP NP	Frequency rate: 1-160 M Hz. Transmission rate: 1,2 Gb. sec. In compliance with FCC part 68, subpart, F.



Description	Code	Technical Data
TV outlet	N4150 BP NP	Threaded connector. F type

Rotary dimmer



Step rotary dimmers allow you to adjust the brightness of light, create lighting ambiances for every occasion: watching TV, reading in the dining room or watching a presentation. They also save energy by reducing the brightness.



Description	Code	Technical Data
Rotary dimmer 1 module	N4160.E BP NP	230 V~ ; 50 Hz. ⚡ 60 - 500 W Overload and short circuit protection by means of a thermal fuse not rearmable.

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Switches



Description	Code	Technical Data
Rocker switch 1P	N4201.A BP NP	10 AX ; 110 - 127 V~ ; 250 V~
Rocker switch 2P-way	N4202.A BP NP	10 AX ; 110 - 127 V~ ; 250 V~

Light switches



Description	Code	Technical Data
Rocker switch 1P	N4201.3A BP NP	10 AX ; 110 - 127 V~ ; 250 V~
Rocker switch 2-way	N4202.3A BP NP	10 AX ; 110 - 127 V~ ; 250 V~

Socket outlets



Description	Code	Technical Data
Duplex socket outlet 2P+T	N4338 BP NP	16 A ; 250 V~ Child protection



Description	Code	Technical Data
Duplex socket outlet 2P+T	N4328 BP NP	15 A ; 127 - 250 V~ ; 50 - 60 Hz Child protection



Description	Code	Technical Data
SCHUKO socket outlet shuttered	N4288 BP NP	16 A ; 230 V~ With a safety system to avoid direct accidental contact. Protection class: IP21

Step

Rectangular frames



Description	Code	Technical Data
Frame 1 module	N4371.1 BP NP PL CV WG	Frame with plastic mounting plate. Dimensions: 112 x 80,5 mm. With box n° 499.3



Description	Code	Technical Data
Frame 2 modules	N4372.1 BP NP PL CV WG	Frame with plastic mounting plate. Dimensions: 112 x 80,5 mm. With box n° 499.3



Description	Code	Technical Data
Frame 2 modules	N4372.2 BP NP PL CV WG	Frame with plastic mounting plate. Dimensions: 112 x 80,5 mm. With box n° 499.3



Description	Code	Technical Data
Frame 3 modules	N4373.1 BP NP PL CV WG	Frame with plastic mounting plate. Dimensions: 112 x 80,5 mm. With box n° 499.3



Description	Code	Technical Data
Blanking plate	N4370 BP NP PL CV WG	The plate can be mounted on a chassis. With pre-cut for wires.

Frames 4" x 4"



Description	Code	Technical Data
Frame 1 + 1 module	N4671.1 BP NP PL CV WG	Dimensions: 117 x 130 mm



Description	Code	Technical Data
Frame 2 + 2 modules	N4672.2 BP NP PL CV WG	Dimensions: 117 x 130 mm



Description	Code	Technical Data
Frame 1 + 1 + 1 + 1 modules	N4672.4 BP NP PL CV WG	Dimensions: 117 x 130 mm



Description	Code	Technical Data
Frame 3 + 3 modules	N4673.6 BP NP PL CV WG	Dimensions: 117 x 130 mm



Description	Code	Technical Data
Blanking plate	N4670 BP NP PL CV WG	The plate can be mounted on a chassis. With pre-cut for wires.