

Touch switches - TECHNICAL CHARACTERISTICS

Dimmer for resistive and inductive loads

Technical specifications

- Supply voltage: 230 V~ 50 Hz.
- Turning on, dimming and turning off is with the touch button, remote control buttons 20123 or NC non-luminous buttons.
- Lighting level is saved when turned off (unless there is a blackout).
- Soft start: ensures gradual lighting from zero to maximum or preset lighting levels. This way the life of a lamp is increased by reducing stress on the filament and prevents light flash.
- Soft end: ensures a gradual passage from light to dark.
- Protection against short-circuit when turning on together with flashing blowout detector.
- Overheating protection with flashing blowout detector.
- MASTER-SLAVE function: paying attention not to exceed maximum power controllable by each dimmer. A MASTER device can have up to 4 SLAVE 20161 devices for a maximum total load of 2500 W (VA) corresponding to 500 W/VA max connected to each of the 5 devices.
- Operating temperature: -5 °C - +35 °C.

Connections

The connection should be made together with 20416 fuse carrier with a quick-acting fuse with high breaking capacity type F2.5AH 250 V~ (07050.HF.2.5):

- control and dimming with touch button or from several positions using 20123 remote control buttons or NO buttons in parallel (figure 1). Do not use NO buttons with built-in indicator unit;
- control and adjustment with touch button + control and adjustment of further loads using SLAVE dimmer in addition to 20161 (max 4) (figure 2).

Controllable loads.

- Incandescent and halogen lamps: ⦿ : 40-500 W 230 V~ 50 Hz.
- Ferromagnetic transformers for low-voltage halogen lamps ⏏ : 40-500 VA 230 V~ 50 Hz.
- Dedicated electronic transformers 01860.60 max 4, or 01860.105 max 3.
- Inductive response electronic transformers ⏏ : 40-300 VA 230 V~ 50 Hz (300 VA max up to 3 transformers, 240 VA max for 4 transformers; do not connect more than 4 transformers).
- Not suitable for controlling motors (eg. fans, ventilators).

Push button for remote control

Technical specifications

- supply voltage: 230 V~ 50-60 Hz.
- pilot lamp for visibility in darkness.
- operating temperature: -5 °C - +35 °C.

Controllable loads.

- Connected to 20120, 20121 and 20125 allows the remote control of the controlled loads.

Operating.

- Front LED: always on.
- Controls: front touch sensor; controls are made by lightly placing a finger on the front of the device
- Monostable operating.

For installations with 2 dimmers in the same box the loads controllable by each dimmer should be reduced so that their total does not exceed the values indicated above.

Operating.

- the device is switched on and off by lightly placing a finger on the front and then taking it off.
- It is regulated by keeping your finger on the front of the device, to reverse the direction of adjustment, take your finger off and then place it back on again immediately. When maximum or minimum load is reached, regulation stops and can be inverted by taking your finger off and placing it back on again.

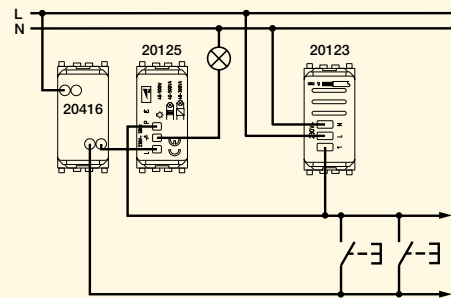
Conformity to Standards

LV directive.

EMC directive.

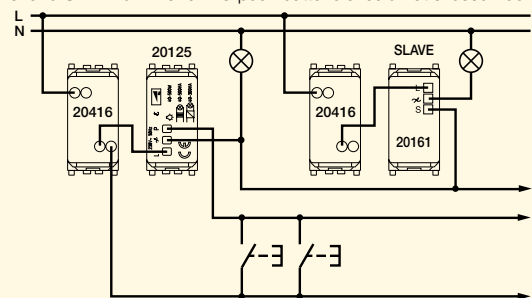
EN 60669-2-1 standard.

20125 - Wiring diagram

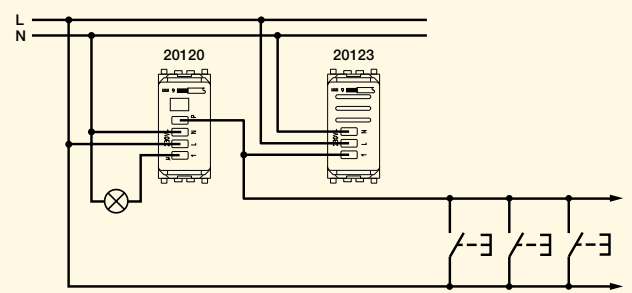


20125 - Wiring diagram

In order to operate correctly the length of each connection between the MASTER dimmer and SLAVE dimmer or NO push buttons should not exceed 100 m.




20123 - Wiring diagram



Touch switches

Touch dimmer for resistive and inductive loads

20125 .B .N Dimmer, supply voltage 230 V~ 50 Hz for 40-500 W incandescent lamps, 40-500 VA ferromagnetic transformers and 40-300 VA  inductive response electronic transformers, control and regulation with built-in touch sensor or from NO peripheral push buttons, MASTER function, MOSFET+TRIAC technology, visible in darkness.
 Not suitable for installation in Isoset IP44 and IP55 enclosures



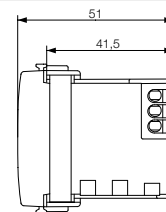
20125
grey



20125.B
white



20125.N
Next



Touch push button for remote control

20123 .B .N Push button for remote control with touch sensor, visible in darkness, supply voltage 230 V~ 50-60 Hz



20123
grey



20123.B
white



20123.N
Next

