

Push button - Dual push button for motorized control Bticino

Cat N°(s) : FN51NAAP



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1. DESCRIPTION - USE

Dual push button to operate the motorized control of the Btdin and Megatiker Bticino

2. RANGE

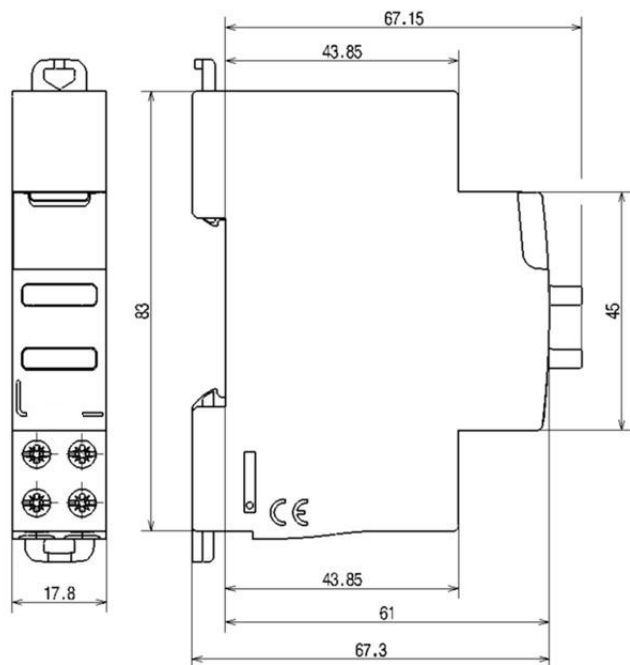
Dual function push-button:

1 NO (green) 20A - 250V~

1 NO (red) 20A - 250V~



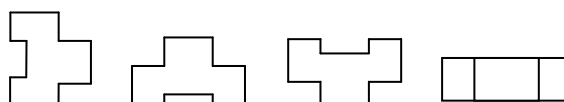
3. OVERALL DIMENSIONS



4. PREPARATION - CONNECTION

Operating positions :

.Vertical Horizontal Upside down On the side



Mounting :

On symmetrical EN 60.715 rail or DIN 35 rail.

Power supply :

By the lower side.

Recommended tools :

- . For the terminals screw : Screwdriver isolated or not with 4 mm blade or Pozidriv no. 1 screwdriver.
- . For attaching or removing the DIN rail : screwdriver with 5.5 mm blade or Pozidriv no. 1 screwdriver.

Connection :

- . Screw terminals:
 - Type of terminal: caged
 - Terminal depth: 10 mm
 - Capacity (h x w): 4.7 x 4.7 mm

Connectable section (copper cables) :

- Rigid : 1 x (0,75 à 4 mm²) ou 2 x (0,75 à 2,5 mm²)
- Flexible wire without ferrule: 1 x (0,75 à 4 mm²) or 2 x (0,75 à 2.5 mm²)
- Flexible wire with ferrule: 1 x (0,75 à 4 mm²)
- Flexible wire with double ferrule: 2 x (0,75 à 2.5 mm²)
- Screw head : mixed M3.5 , slotted 4mm and pozidriv n°1
- Tightening torques : mini 0.8Nm; maxi 1.8Nm ; recommended 1.4Nm

Manual actuation of the device :

- . Ergonomic button with 1 or 2 positions in accordance with the cat. N°

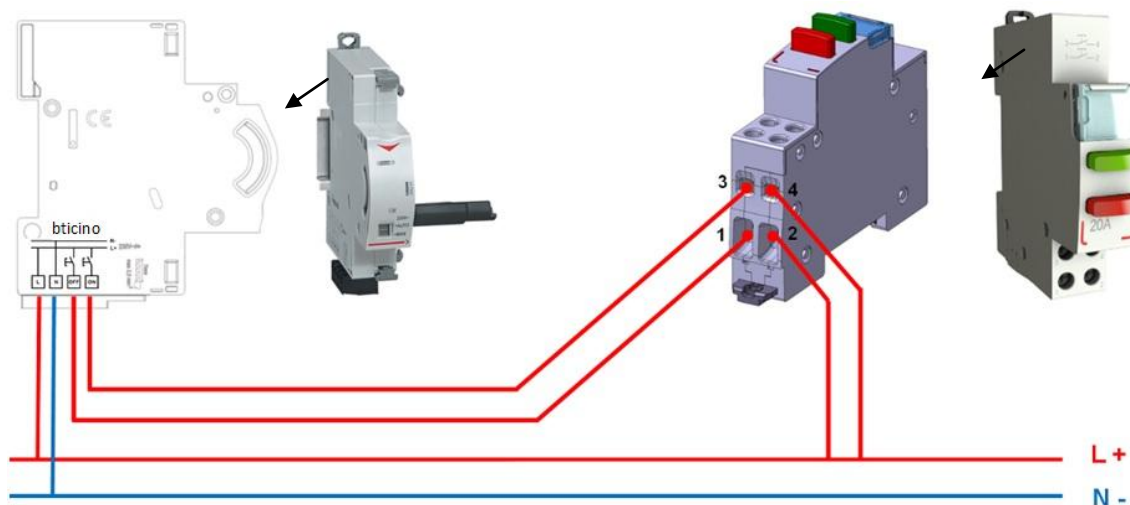
Push button - Dual push button for motorized control Bticino

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4. PREPARATION - CONNECTION *(continued)*

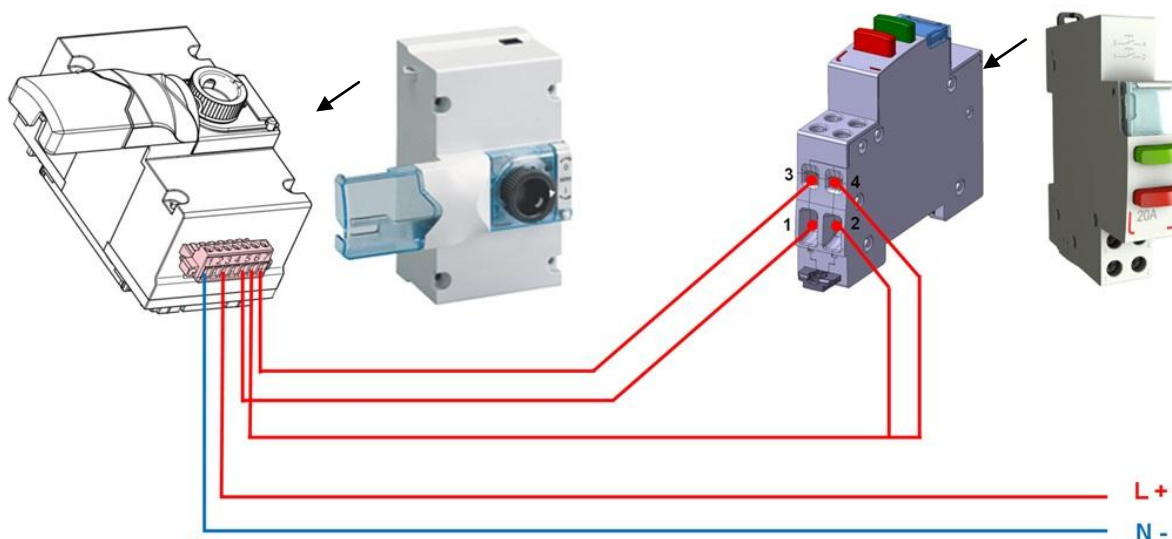
Operation of motorized control Btdin

Easy connection: the push button FN51NAAP has numbered terminals and the electrical diagram on the upper side (always visible once the product is mounted on rail)



Easy wiring: the motorized control is equipped with a removable terminal block

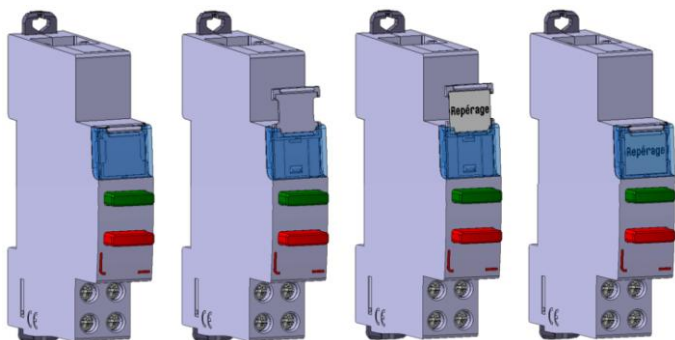
Operation of motorized control Megatiker



Easy wiring: the motorized control is equipped with a removable terminal block

Labelling :

.Circuit identification by way of a label inserted in the label holder situated on the front of the product.



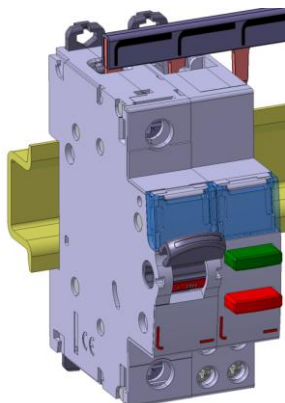
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4. PREPARATION - CONNECTION (continued)

Position in a row :

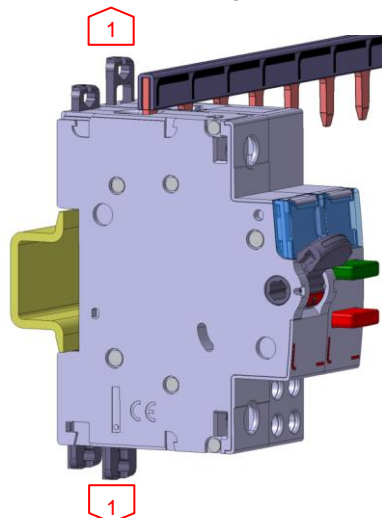
. The product profile and the position of the terminals at the downstream allow the insertion of the prong-busbar by the upstream. In this way the position of the Push-button or Control switch in a row can be freely chosen.



Module maintenance :

. A Push-button or Control switch may be replaced in the middle of a row supplied with prong-busbar without disconnecting the other devices.

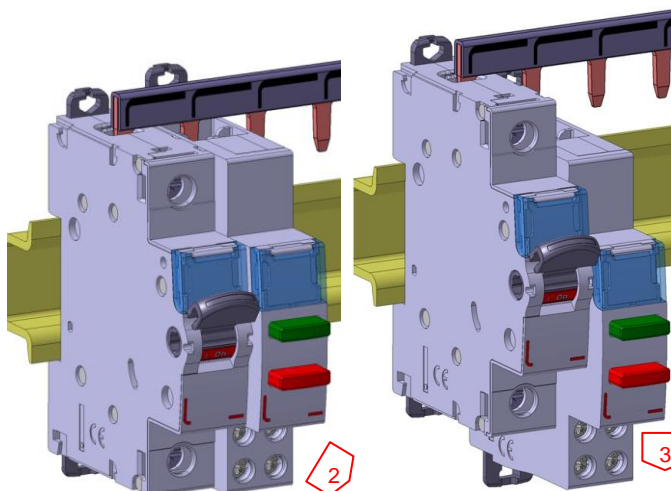
Put the clamp in the unlocking position



Put the clamp in the unlocking position

Pull the device forward in order to release it from the rail

Pull the device downward in order to release it completely from the prongs of the busbar



5. GENERAL CHARACTERISTICS

Marking :

. By permanent ink pad printing

Cat N° ———— FN51NAAP
Rated current ———— 20A 250V~ ← Operating voltage
bticino

Operating voltage :

. Ue = 250 V ~

Rated frequency :

. 50/60 Hz with standard tolerances.

Insulation voltage :

. Ui = 500 V

Rated impulse withstand voltage :

. Uimp = 4 kV

Utilization category :

. AC12 : mixed load according to IEC 60947-5.1

Degree of pollution:

. 2 in accordance with standard EN/IEC 60898-1

Dissipated power:

Type	N0
Power (W)	0

Protection class:

. Terminal protection when the product was connected : IP2X according to IEC 529 – EN 60529 et NF C 20-010.
. Index Protection against solid and liquid body (wired device) IP40 according to IEC 529 – EN 60529 et NF C 20-010.
. Protection against shocks: IK04 according to EN 62262.
. Class II, front panel with faceplate.

Plastic materials :

. Polyamide, PC

Enclosure heat and fire resistance:

. Resistance to glow wire tests at 960°C / 30 s, according to standard CEI 60695-2-10 & 60695-2-11.

Mechanical endurance :

. 150 000 operations without electrical load.

Electrical endurance :

. In accordance with standard IEC/EN 60669-1
. 30 000 operations with normal electrical load.
. 30 000 operations with load AC12 (following IEC 60947-5.1).

Vibrations and tremors resistance :

. Compliant with appendix Q category F of standard IEC/EN 60947-1

Ambient temperatures :

. Operating: from - 25 °C to + 70 °C.
. Storage: from - 40 °C to + 70 °C.

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5. GENERAL CHARACTERISTICS *(continued)*

Short-circuit behavior in coordination with upstream protection:

- . Tests performed according to the protocol of IEC/EN 60669-2-4 :
The device remains fully functional and meets the switch tests after suffering two short circuits established in coordination with the DPCC (*Device for Protection against short circuits*) of the following table.
- The first short circuit has been set at an angle of 45 °.
 - The second has been provided by the switching of the Control switch on the short-circuit.

Upstream protection:	Characteristics
Range	DX ³ MCB
Breaking capacity	4500/6KA
Rated current	20A
Operating voltage	250V~

Volume when packed:

	Packaging	Volume (dm ³)
1 module	by 10	1.6

Average unit weight:

Cat N°	Weight (grams)
FN51NAAP	50.2 g

6. CONFORMITY AND APPROVALS

Use in particular conditions :

- . Compliant to category F according to classification defined in appendix Q of standard IEC/EN 60947-1.

Environment respect – Compliance with CEE directives:

- . Compliance with Directive 2002/95/EC of 27/01/03 known as "RoHS" which provides for a restriction on the use of dangerous substances such as lead, mercury, cadmium, hexavalent chromium and polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) brominated flame retardants from 1st July 2006
- . Compliance with the Directive 91/338/EEC of 18/06/91 and decree 94-647 of 27/07/04.
- . Compliant with regulation REACH

Plastic materials :

- . Halogens-free plastic materials.
- . Marking of parts according to ISO 11469 and ISO 1043.

Packaging :

- . Design and manufacture of packaging compliant to decree 98-638 of the 20/07/98 and also to directive 94/62/CE.

Environnemental profile :

- . PEP document available

Approvals obtained :

- . See list of approvals available.