

Aster

Switches and push-buttons

Introduction

The Aster family of devices covers 3 sub-families:

- Switches and push-buttons 16 and 32A
- Rotary switches 32, 40 and 63A
- Mains disconnect switches in 40, 63, 80 and 100A.

Function

The 16 and 32A switches and push-buttons are mainly used to operate lighting and heating equipment in the commercial sector. For example in warehouses, shops, workshops, hospitals, etc. Rotary switches are mainly used as main switch. Also in case of motor-loads, this switch can be used. In case absolute safe disconnection is required, the mains disconnect switch is to be used.

Switches and push-buttons

Features

Photo 1 shows the front view of the modular switches and push-buttons.

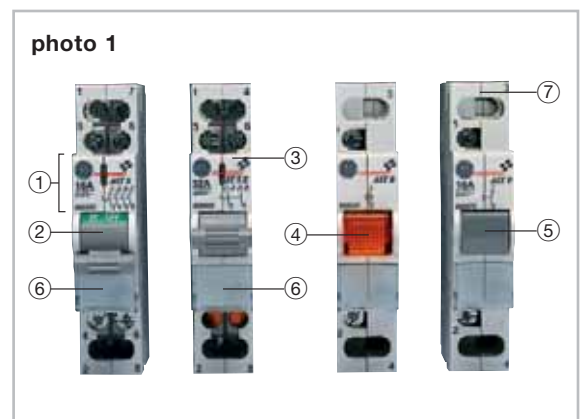
The main characteristics are printed in the upper part of the device ① These are:

- Switching capacity
- Operating voltage
- Wiring diagram
- 6-digit ordering code

Related to the switching capacity, a 16 and a 32A family exists.

All devices can be used up to 240V.

For the on-off switches, a green-on and red-off indication on the toggle itself is present to indicate the status of the switch ② .



Alternatively, these devices are also available with an indication lamp ③ to indicate its status.

Push-buttons are available both with ④ and without ⑤ a lamp.

The function of the circuit that is operated by the switch or push-button can be indicated behind the circuit indicator ⑥ i.e. hall, living, garage,

The Pozidriv terminals ⑦ are clearly marked and are all captive.

Text for specifiers

- The modular switches and push-buttons all have the CEBEC approval mark
- The 1, 2, 3 and 4-pole 16 and 32A switches are available in only 1 module, while the 3 and 4-pole devices are also available in 2 modules
- All switches and push-buttons have a high interrupting capacity thanks to the double contact interruption per pole
- The captive Pozidriv terminals guarantee a solid, reliable connection for wires with a cross section going from 1.5 to 10mm²
- The terminals have an IP20 protection degree,
- The devices are DIN-rail mountable
- The switches and push-buttons are equipped with a transparent circuit indicator
- The short-circuit resistance is at least 3kV
- The switches can be locked both in the on as well as in the off-position.
- Mains disconnect switches accept auxiliary contact add-on right or left hand side.

Rotary switches

Features

Photo 2 shows the front view of the rotary switches. The main characteristics are printed in the upper part of the device ①. These are:

- Rated current
- Operating voltage
- 6-digit ordering code

Related to the switching capacity, versions in 32A, 40A and 63A exist.

All devices can be used up to 415V.

photo 2



The Pozidriv terminals ② are clearly marked, are all captive and can be sealed by means of a terminal cover.

The disconnect function is visible at all times by means of the handle.

By using the shaft extension, the handle itself can be mounted on the door of an enclosure, while the switch itself can be mounted on the DIN-rail or panel (photo 3).

photo 3



Two handles are available: a standard (black, see fig.1) and an emergency handle (red, see fig.2).

Important:

In case the handle is mounted on the door, the panel can only be opened when the handle is in the OFF-position. The emergency handle can be sealed by means of up to 3 padlocks.

fig.1

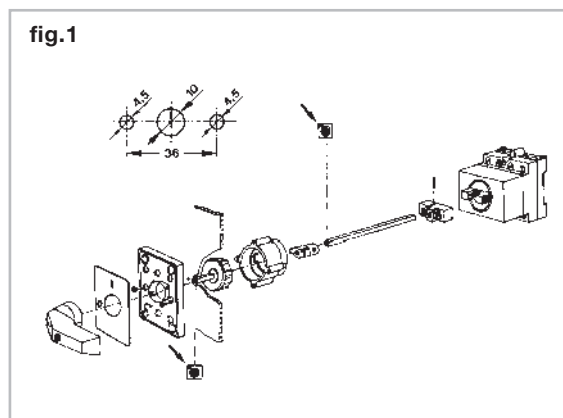
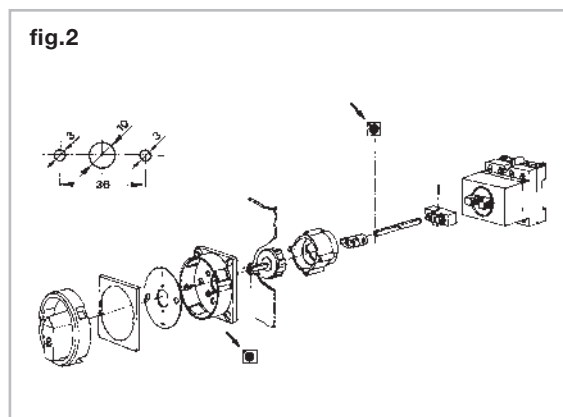


fig.2



Text for specifiers-The rotary switches all have the CEBEC and KEMA approval mark following IEC 947.3

- Due to its construction, the rotary switch can securely interrupt and as such is a disconnect switch. This, together with the high short-circuit resistance and the visible contact status, makes it possible to use this switch as a main switch,
- The housing is made of thermoplastic material with a high creepage-current resistance
- The movable contacts of the switch are operated as a parallel bridge with double interruption per pole. The short-circuit resistance is very high
- The rotary switches all have a width of 4 modules,
- Shaft extensions with standard and emergency-handles are available
- The rotary switches can be padlocked in the off-position
- The terminals can be sealed by means of a terminal cover

Mains disconnect switches

Features

Photo 4 shows the front view of the mains disconnect switches.

The main characteristics are printed in the upper part of the device ①. These are:

- Switching capacity
- Operating voltage
- Wiring diagram
- 6-digit ordering code

Related to the switching capacity, versions in 40, 63, 80 and 100A exist.

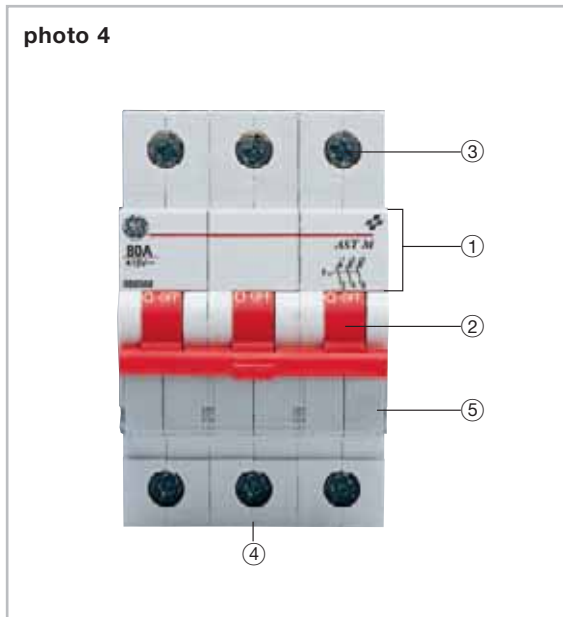
All devices can be used up to 440V.

The red handle ② draws the attention to the fact that this is a mains disconnect switch.

All types are equipped with 50mm² safety terminals ③ with captive Pozidriv screws. The terminal position is aligned with the terminal-position of the MCB's offering the benefit of interconnecting both devices with a pin or fork-type busbar.

Text for specifiers

- The mains disconnect switches all have the CEBEC approval mark
- 1 pole per module
- All switches have a high interrupting capacity thanks to the double contact interruption per pole
- The switches can be used as mains disconnect switches
- The captive Pozidriv terminals guarantee a solid, reliable connection for wires with a cross section going from 6 to 50mm²
- The terminals have an IP20 protection degree
- DIN-rail mountable
- Equipped with a transparent circuit indicator
- The short-circuit resistance is better than 3kV
- The switches can be locked both in the on as well as the off-position
- The switches are suitable to be used in class AC22
- Auxiliary contact add-on possibilities on both sides



Easy DIN-rail extraction as implemented on the MCB's and RCD's is also applicable due to the same DIN-rail clip ④.

The function of the circuit that is operated by the switch can be indicated behind the circuit indicator ⑤ i.e. hall, living, garage,