

## INSTALLATION INSTRUCTIONS Miniature Circuit Breaker BS



### Switch description and lettering

|                     |   |
|---------------------|---|
| B, C                | Characteristics                               |
| ... A               | Rated current $I_n$                           |
| 230 V               | Rated voltage $U_n$ at 50/60 Hz               |
| 6000 A              | Rated breaking capacity according to EN 60898 |
| 3                   | Selectivity class EN 60899                    |
| -5° bis +40°C       | Ambient temperature                           |
| 100 A gG/gL         | Max. admissible back-up fuse                  |
| 1.2–1.5 Nm          | Terminal torque                               |
| 1–16mm <sup>2</sup> | Terminal capacity                             |

### Mounting advice

This equipment has to be installed according to the legal regulations and international standards. Some are mentioned as follows:

- The device has no special position of use and has no specified load/supply side;
- Degree of protection IP 40 including terminal cover and IP 54 with splash proof enclosure

Characteristics in accordance to EN 60898:

| Type | Instantaneous tripping current | Thermal tripping                       |
|------|--------------------------------|--|
| B    | 3–5 x $I_n$                    | Tripping time > 1 hour at 1.13 x $I_n$ |
| C    | 5–10 x $I_n$                   | Tripping time > 1 hour at 1.45 x $I_n$ |

### Warning

This equipment has to be installed by a technical qualified and authorized electrician according to the legal regulations. If the MCB does not work despite correct installation, the unit may be damaged and has to be returned to the manufacturer. Any repairs or interventions by the customer are forbidden.

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| Cross-section      | Number of rigid single conductors (H07V-U) |   |   |   |   |   |
|--------------------|--|---|---|---|---|---|
| [mm <sup>2</sup> ] | 1  | 2 | 3 | 4 | 5 | 6 |
| 1                  | +  | + | + | + | + | + |
| 1,5                | +  | + | + | + | - | - |
| 2,5                | +  | + | + | - | - | - |
| 4                  | +  | + | - | - | - | - |
| 6                  | +  | - | - | - | - | - |
| 10                 | +  | - | - | - | - | - |

| Cross-section      | Number of stranded conductors (H07V-R) |   |   |   |   |   |
|--------------------|--|---|---|---|---|---|
| [mm <sup>2</sup> ] | 1                                      | 2 | 3 | 4 | 5 | 6 |
| 2,5                | +                                      | + | + | + | - | - |
| 4                  | +                                      | + | + | - | - | - |
| 6                  | +                                      | + | - | - | - | - |
| 10                 | +                                      | - | - | - | - | - |
| 16                 | +                                      | - | - | - | - | - |

| Cross-section      | Number of flexible conductors (H07V-K) |   |   |   |   |   |
|--------------------|--|---|---|---|---|---|
| [mm <sup>2</sup> ] | 1                                      | 2 | 3 | 4 | 5 | 6 |
| 1                  | +                                      | + | + | + | + | + |
| 1,5                | +                                      | + | + | + | + | + |
| 2,5                | +                                      | + | + | + | - | - |
| 4                  | +                                      | + | + | - | - | - |
| 6                  | +                                      | + | - | - | - | - |
| 10                 | +                                      | - | - | - | - | - |
| 16                 | +                                      | - | - | - | - | - |