# DATASHEET - PLG6-B10/1N



Similar to illustration

**Miniature circuit breaker (MCB), 10 A, 1p+N, characteristic: B**

**Part no.** PLG6-B10/1N
**Catalog No.** 264673

Powering Business Worldwide

## Delivery program

| | | | |
|---|---|---|---|
| Basic function | | | Miniature circuit-breakers |
| Number of poles | | | 1 pole+N |
| Tripping characteristic | | | B |
| Application | | | Switchgear for residential and commercial applications |
| Rated current | $I_n$ | A | 10 |
| Rated switching capacity according to IEC/EN 60898-1 | $I_{cn}$ | kA | 6 |
| Product range | | | PLG6 |

## Technical data

### Electrical

| | | | |
|---|---|---|---|
| Rated switching capacity according to IEC/EN 60898-1 | $I_{cn}$ | kA | 6 |

## Design verification as per IEC/EN 61439

| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | $I_n$ | A | 10 |
| Heat dissipation per pole, current-dependent | $P_{vid}$ | W | 0 |
| Equipment heat dissipation, current-dependent | $P_{vid}$ | W | 2.2 |
| Static heat dissipation, non-current-dependent | $P_{vs}$ | W | 0 |
| Heat dissipation capacity | $P_{diss}$ | W | 0 |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 75 |
| | | | linear, per +1 °C, results in a 0.5% reduction of current carrying capacity |

## Technical data ETIM 7.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

| | | | |
|---|---|---|---|
| Release characteristic | | | B |
| Number of poles (total) | | | 2 |
| Number of protected poles | | | 1 |
| Rated current | | A | 10 |
| Rated voltage | | V | 230 |
| Rated insulation voltage Ui | | V | 440 |
| Rated impulse withstand voltage Uimp | | kV | 4 |
| Rated short-circuit breaking capacity Icn EN 60898 at 230 V | | kA | 6 |
| Rated short-circuit breaking capacity Icn EN 60898 at 400 V | | kA | 6 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V | | kA | 10 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V | | kA | 10 |
| Voltage type | | | AC |
| Frequency | | Hz | 50 - 60 |
| Current limiting class | | | 3 |
| Suitable for flush-mounted installation | | | No |

| | | | |
|---|---|---|---|
| Concurrently switching N-neutral | | | Yes |
| Over voltage category | | | 3 |
| Pollution degree | | | 2 |
| Additional equipment possible | | | Yes |
| Width in number of modular spacings | | | 1 |
| Built-in depth | | mm | 70.5 |
| Degree of protection (IP) | | | IP20 |
| Ambient temperature during operating | | °C | -25 - 75 |
| Connectable conductor cross section multi-wired | | $mm^2$ | 1 - 25 |
| Connectable conductor cross section solid-core | | $mm^2$ | 1 - 25 |


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