



**Miniature circuit breaker (MCB), 6A, 1Np, B-Char, AC**

**Part no.** PLN6-B6/1N-MW  
**Catalog No.** 263161

**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  | 6  |
| Rated switching capacity according to IEC/EN 60898-1 | $I_{cn}$ | kA | 6  |
| Product range  |          |    | PLN6   |

**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  | 6   |
| Heat dissipation per pole, current-dependent             | $P_{vid}$  | W  | 0   |
| Equipment heat dissipation, current-dependent            | $P_{vid}$  | W  | 1.7   |
| 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 | 55  |
|  |            |    | 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) (ec@ss10.0.1-27-14-19-01 [AAB905014]) |  |    |         |
| Release characteristic   |  |    | B       |
| Number of poles (total)  |  |    | 2       |
| Number of protected poles  |  |    | 1       |
| Rated current  |  | A  | 6       |
| Rated voltage  |  | V  | 230     |
| Rated insulation voltage $U_i$   |  | V  | 440     |
| Rated impulse withstand voltage $U_{imp}$  |  | kV | 4       |
| Rated short-circuit breaking capacity $I_{cn}$ EN 60898 at 230 V   |  | kA | 6       |
| Rated short-circuit breaking capacity $I_{cn}$ EN 60898 at 400 V   |  | kA | 6       |
| Rated short-circuit breaking capacity $I_{cu}$ IEC 60947-2 at 230 V  |  | kA | 0       |
| Rated short-circuit breaking capacity $I_{cu}$ IEC 60947-2 at 400 V  |  | kA | 0       |
| 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 - 55 |
| Connectable conductor cross section multi-wired |  | mm <sup>2</sup> | 1 - 25   |
| Connectable conductor cross section solid-core  |  | mm <sup>2</sup> | 1 - 25   |