



Over current switch, 32A, 1Np, C-Char, AC

Part no.  
Article no.

PLN6-C32/1N-MW  
263177

Similar to illustration

## Design verification as per IEC/EN 61439

| Technical data for design verification                   |            |    |                                                                             |
|----------------------------------------------------------|------------|----|-----------------------------------------------------------------------------|
| Rated operational current for specified heat dissipation | $I_n$      | A  | 32                                                                          |
| Heat dissipation per pole, current-dependent             | $P_{vid}$  | W  | 0                                                                           |
| Equipment heat dissipation, current-dependent            | $P_{vid}$  | W  | 6.5                                                                         |
| 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 6.0

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@ss8.1-27-14-19-01 [AAB905011])

|                                                                     |  |    |         |
|---------------------------------------------------------------------|--|----|---------|
| Release characteristic                                              |  |    | C       |
| Number of poles (total)                                             |  |    | 2       |
| Number of protected poles                                           |  |    | 2       |
| Nominal rated current                                               |  | A  | 32      |
| Nominal rated voltage                                               |  | V  | 230     |
| 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      |
| Current limiting class                                              |  |    | 3       |
| Frequency                                                           |  | Hz | 50 - 60 |
| Concurrently switching N-neutral                                    |  |    | Yes     |
| Suitable for flush-mounted installation                             |  |    | No      |
| Over voltage category                                               |  |    | 3       |
| Pollution degree                                                    |  |    | 2       |
| Width in number of modular spacings                                 |  |    | 1       |
| Built-in depth                                                      |  | mm | 70.5    |
| Additional equipment possible                                       |  |    | Yes     |
| Degree of protection (IP)                                           |  |    | IP20    |