

## Motor-Protective Circuit-Breakers, 0,16-0,25A, 2p

**Part no.** Z-MS-0,25/2  
**Catalog No.** 248390  
**Alternate Catalog No.** Z-MS-0.25/2

Similar to illustration

## Design verification as per IEC/EN 61439

|                                                          |                  |    |      |
|----------------------------------------------------------|------------------|----|------|
| Technical data for design verification                   |                  |    |      |
| Rated operational current for specified heat dissipation | I <sub>n</sub>   | A  | 0.25 |
| Heat dissipation per pole, current-dependent             | P <sub>vid</sub> | W  | 2.65 |
| Equipment heat dissipation, current-dependent            | P <sub>vid</sub> | W  | 5.3  |
| Operating ambient temperature min.                       |                  | °C | -5   |
| Operating ambient temperature max.                       |                  | °C | 50   |

## Technical data ETIM 8.0

|                                                                                                                                                                                                       |  |    |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|----------------------------|
| Low-voltage industrial components (EG000017) / Motor protection circuit-breaker (EC000074)                                                                                                            |  |    |                            |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Motor protection circuit-breaker (ecl@ss10.0.1-27-37-04-01 [AGZ529016]) |  |    |                            |
| Overload release current setting                                                                                                                                                                      |  | A  | 0.16 - 0.25                |
| Adjustment range undelayed short-circuit release                                                                                                                                                      |  | A  | 2 - 2.6                    |
| With thermal protection                                                                                                                                                                               |  |    | Yes                        |
| Phase failure sensitive                                                                                                                                                                               |  |    | No                         |
| Switch off technique                                                                                                                                                                                  |  |    | Magnetic                   |
| Rated operating voltage                                                                                                                                                                               |  | V  | 400 - 400                  |
| Rated permanent current I <sub>u</sub>                                                                                                                                                                |  | A  | 0.25                       |
| Rated operation power at AC-3, 230 V                                                                                                                                                                  |  | kW | 0                          |
| Rated operation power at AC-3, 400 V                                                                                                                                                                  |  | kW | 0.06                       |
| Type of electrical connection of main circuit                                                                                                                                                         |  |    | Screw connection           |
| Type of control element                                                                                                                                                                               |  |    | Rocker lever               |
| Device construction                                                                                                                                                                                   |  |    | Complete device in housing |
| With integrated auxiliary switch                                                                                                                                                                      |  |    | No                         |
| With integrated under voltage release                                                                                                                                                                 |  |    | No                         |
| Number of poles                                                                                                                                                                                       |  |    | 2                          |
| Rated short-circuit breaking capacity I <sub>cu</sub> at 400 V, AC                                                                                                                                    |  | kA | 10                         |
| Degree of protection (IP)                                                                                                                                                                             |  |    | IP20                       |
| Height                                                                                                                                                                                                |  | mm | 75                         |
| Width                                                                                                                                                                                                 |  | mm | 36                         |
| Depth                                                                                                                                                                                                 |  | mm | 80                         |