



MMN303



**Magnetic MCB 3P 25kA 2.5A 400V access. indicator IEC 947-2**

**Technical properties**

**Architecture**

|                           |                 |
|---------------------------|-----------------|
| Neutral position          | without neutral |
| Number of protected poles | 3               |
| Number of poles           | 3 P             |
| Type of pole              | 3 P             |

**Functions**

|                                  |    |
|----------------------------------|----|
| Concurrently switching N-neutral | No |
|----------------------------------|----|

**Configuration**

|                   |   |
|-------------------|---|
| Number of modules | 3 |
|-------------------|---|

**Main electrical features**

|                              |             |
|------------------------------|-------------|
| Rated operational voltage Ue | 230 / 400 V |
| Type of supply voltage       | AC          |
| Frequency                    | 50/60 Hz    |

**Voltage**

|                                 |        |
|---------------------------------|--------|
| Rated insulation voltage        | 500 V  |
| Rated impulse withstand voltage | 6000 V |

**Electric current**

|  |       |
|--|-------|
| Rated current  | 2.5 A |
| Magnetic regulating current  | 12 In |
| Rated ultimate short-circuit breaking capacity Icu AC IEC 60947-2            | 25 kA |
| Rated service breaking capacity Ics AC according IEC 60947-2                 | 75 %  |
| Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2 | 25 kA |

**Electric current / temperature**

|                     |       |
|---------------------|-------|
| Rating current 30°C | 2.7 A |
| Rating current 35°C | 2.6 A |
| Rating current 40°C | 2.5 A |

|  |                        |
|--|------------------------|
| Rating current 45°C  | 2.4 A                  |
| Rating current 50°C  | 2.3 A                  |
| Rating current 55°C  | 2.2 A                  |
| Rating current 60°C  | 2.1 A                  |
| Rating current 70°C  | 1.9 A                  |
| <b>Current correction factors</b>  |                        |
| Correction factor of rating current for 2 devices placed side-by-side            | 1                      |
| Correction factor of rating current for 3 devices placed side-by-side            | 0.95                   |
| Correction factor of rating current for 4 and 5 devices placed side-by-side      | 0.9                    |
| Correction factor of rating current for 6 devices placed side-by-side            | 0.85                   |
| Correction factor of magnetic tripping with 100 Hz                               | 1.1                    |
| Correction factor of magnetic tripping with 200 Hz                               | 1.2                    |
| Correction factor of magnetic tripping with 400 Hz                               | 1.5                    |
| Correction factor of magnetic tripping with 60 Hz                                | 1                      |
| <b>Dimensions</b>  |                        |
| Depth of installed product   | 70 mm                  |
| Height of installed product  | 83 mm                  |
| Width of installed product   | 52.5 mm                |
| <b>Frequency</b>   |                        |
| Frequency  | 50 to 60 Hz            |
| <b>Power</b>   |                        |
| Maximum power loss per pole according to the product standard                    | 3 W                    |
| Total power loss under I <sub>N</sub>  | 0.34 W                 |
| Power loss per pole at I <sub>n</sub>  | 0.12 W                 |
| <b>Endurance</b>   |                        |
| Electric endurance in number of cycles   | 10000                  |
| Number of mechanical operations  | 20000                  |
| <b>Installation, mounting</b>  |                        |
| Type of top rail clip for modular devices  | NA                     |
| Type of bottom rail clip for modular devices                                     | plastic                |
| Top removability for modular devices   | Yes                    |
| Bottom removability for modular devices  | Yes                    |
| Suitable for flush-mounting  | Yes                    |
| <b>Connection</b>  |                        |
| Connection cross-section of input and output with screws, for massive conductors | 1 / 35 mm <sup>2</sup> |
| Connection cross section of access and exit with screws, for flexible conductor  | 1 / 25 mm <sup>2</sup> |

**Standards**

|                         |            |
|-------------------------|------------|
| Standard text           | EN 60898-1 |
| European directive WEEE | concerned  |

**Safety**

|                     |      |
|---------------------|------|
| Protection index IP | IP20 |
|---------------------|------|

**Use conditions**

|   |             |
|---|-------------|
| Operating temperature                       | -25...70 °C |
| Class of energy limitation I <sup>2</sup> t | 3           |
| Altitude                                    | 2000 m      |
| Storage/transport temperature               | -25...80 °C |