



MW106

## MCB 1P 3kA C-6A 1M

### Technical properties

#### Architecture

|                  |                               |
|------------------|-------------------------------|
| Neutral position | without neutral               |
| Number of poles  | 1 P                           |
| Type of pole     | 1 P                           |
| Fixing mode      | DIN rail type O (symmetrical) |
| Curve            | C                             |

#### Functions

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

#### Configuration

|                   |   |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

#### Connectivity

|   |                  |
|---|------------------|
| Top connection alignment for modular devices    | Aligned terminal |
| Bottom connection alignment for modular devices | Aligned terminal |

#### Main electrical features

|                              |             |
|------------------------------|-------------|
| Rated operational voltage Ue | 230 / 400 V |
| Type of supply voltage       | AC          |

#### Voltage

|                                 |        |
|---------------------------------|--------|
| Rated insulation voltage        | 500 V  |
| Max operating voltage           | 415 V  |
| Rated impulse withstand voltage | 4000 V |

#### Electric current

|  |                            |
|--|----------------------------|
| Rated current  | 6 A                        |
| min/maxi threshold value of the AC thermal operation                                     | 1.13 / 1.45 I <sub>n</sub> |
| Magnetic regulating current  | 5 / 10 I <sub>n</sub>      |
| Rated short circuit breaking capacity I <sub>cn</sub> under 230V AC according IEC60898-1 | 3 kA                       |
| Rated short circuit breaking capacity I <sub>cn</sub> under 400V AC according IEC60898-1 | 3 kA                       |

#### Electric current / temperature

|                      |        |
|----------------------|--------|
| Rating current -25°C | 7.62 A |
| Rating current -20°C | 7.45 A |
| Rating current -15°C | 7.27 A |

|                      |        |
|----------------------|--------|
| Rating current -10°C | 7 A    |
| Rating current -5°C  | 6.92 A |
| Rating current 0°C   | 6.75 A |
| Rating current 5°C   | 6.58 A |
| Rating current 10°C  | 6.4 A  |
| Rating current 15°C  | 6.23 A |
| Rating current 20°C  | 6.05 A |
| Rating current 25°C  | 5.88 A |
| Rating current 30°C  | 6 A    |
| Rating current 35°C  | 5.53 A |
| Rating current 40°C  | 5.35 A |
| Rating current 45°C  | 5.18 A |
| Rating current 50°C  | 4.81 A |
| Rating current 55°C  | 4.83 A |
| Rating current 60°C  | 4.66 A |
| Rating current 65°C  | 4.48 A |
| Rating current 70°C  | 4.31 A |

#### Current correction factors

|   |      |
|---|------|
| 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 |

#### Dimensions

|                            |         |
|----------------------------|---------|
| Depth of installed product | 70 mm   |
| Width of installed product | 17.5 mm |

#### Power

|   |        |
|---|--------|
| Maximum power loss per pole according to the product standard | 3 W    |
| Power loss per pole at In                                     | 1.19 W |

#### Endurance

|  |       |
|--|-------|
| Electric endurance in number of cycles | 4000  |
| Number of mechanical operations        | 20000 |

#### Installation, mounting

|   |            |
|---|------------|
| Type of top connection for modular devices    | with screw |
| Tightening torque                             | 2,8Nm      |
| Type of Bottom Connection for modular devices | Blconnect  |

#### Connection

|   |                        |
|---|------------------------|
| Connection cross-section at output with screw, for flexible conductor | 1 / 25 mm <sup>2</sup> |
| Connection cross-section at output with screw, for massive conductor  | 1 / 35 mm <sup>2</sup> |

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|  |                        |
|--|------------------------|
| Connection cross-section for rigid conductor, upstream terminals with screws | 1 / 35 mm <sup>2</sup> |
|--|------------------------|

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|   |                        |
|---|------------------------|
| Connection cross-section of the access with screws, with flexible conductor | 1 / 25 mm <sup>2</sup> |
|---|------------------------|

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**Equipment**

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|                     |    |
|---------------------|----|
| Can be accessorized | No |
|---------------------|----|

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**Standards**

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|               |             |
|---------------|-------------|
| Standard text | IEC 60898-1 |
|---------------|-------------|

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|                         |           |
|-------------------------|-----------|
| European directive WEEE | concerned |
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**Safety**

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

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**Use conditions**

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|                       |             |
|-----------------------|-------------|
| Operating temperature | -25...70 °C |
|-----------------------|-------------|

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|   |   |
|---|---|
| Class of energy limitation I <sup>2</sup> t | 3 |
|---|---|

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|          |        |
|----------|--------|
| Altitude | 2000 m |
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|                               |             |
|-------------------------------|-------------|
| Storage/transport temperature | -25...80 °C |
|-------------------------------|-------------|

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**temperatur**

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|                            |       |
|----------------------------|-------|
| Temperature of calibration | 30 °C |
|----------------------------|-------|