



MU116A

**MCB 1P 6kA C-16A 1M**

**Technical properties**

**Architecture**

|                  |                 |
|------------------|-----------------|
| Neutral position | without neutral |
| Number of poles  | 1 P             |
| Type of pole     | 1 P             |
| 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  | 16 A           |
| min/maxi threshold value of the AC thermal operation                         | 1.13 / 1.45 In |
| Magnetic regulating current  | 5 / 10 In      |
| Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1 | 6 kA           |

**Electric current / temperature**

|                      |         |
|----------------------|---------|
| Rating current -25°C | 22.48 A |
| Rating current -20°C | 21.91 A |
| Rating current -15°C | 21.33 A |
| Rating current -10°C | 20.82 A |
| Rating current -5°C  | 20.19 A |
| Rating current 0°C   | 19.61 A |

|                     |         |
|---------------------|---------|
| Rating current 5°C  | 19.04 A |
| Rating current 10°C | 18.47 A |
| Rating current 15°C | 17.9 A  |
| Rating current 20°C | 17.32 A |
| Rating current 25°C | 16.75 A |
| Rating current 30°C | 16 A    |
| Rating current 35°C | 15.6 A  |
| Rating current 40°C | 15.03 A |
| Rating current 45°C | 14.46 A |
| Rating current 50°C | 14 A    |
| Rating current 55°C | 13.31 A |
| Rating current 60°C | 12.74 A |
| Rating current 65°C | 12.17 A |
| Rating current 70°C | 11.59 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 | 3.5 W  |
| Power loss per pole at In                                     | 2.32 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 top rail clip for modular devices     | NA         |
| Type of bottom rail clip for modular devices  | metallic   |
| Type of Bottom Connection for modular devices | Blconnect  |
| Top removability for modular devices          | No         |
| Bottom removability for modular devices       | No         |

#### 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> |
| Connection cross-section for rigid conductor, upstream terminals with screws | 1 / 35 mm <sup>2</sup> |
| Connection cross-section of the access with screws, with flexible conductor  | 1 / 25 mm <sup>2</sup> |
| Downstream cage clamp delivery status  | opened                 |
| Upstream cage clamp delivery status  | opened                 |
| Type of connection   | with screw             |

#### Equipment

|                                       |    |
|---------------------------------------|----|
| Can be accessorized                   | No |
| With transparent product label holder | No |

#### Standards

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

#### Safety

|               |    |
|---------------|----|
| REACH conform | No |
| Halogen free  | No |

#### Use conditions

|  |             |
|--|-------------|
| Operating temperature                                    | -25...70 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2           |
| Class of energy limitation I <sup>2</sup> t              | 3           |
| Altitude   | 2000 m      |
| Storage/transport temperature                            | -25...80 °C |

#### temperatur

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