



MC116A

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

**Technical Features**

**Electric current**

Rated current	16 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	21.33 A
Rated current -10°C	20.82 A
Rated current -5°C	20.19 A
Rated current at 0°C	19.61 A
Rated current 5°C	19.04 A
Rated current 10°C	18.47 A
Rated current 15°C	17.90 A
Rated current at 20°C	17.32 A
Rated current 25°C	16.75 A
Rated current 30°C	16 A
Rated current 35°C	15.60 A
Rated current at 40°C	15.03 A
Rated current at 45°C	14.46 A
Rated current at 50°C	14 A
Rated current 55°C	13.31 A
Rated current 60°C	12.74 A
Rated current 65°C	12.17 A
Rated current 70°C	11.59 A

**Architecture**

Type of pole	1P
Curve	C

**Capacity**

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

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 kA
---	------

**Installation, mounting**

Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

**Voltage**

Rated operational voltage U <sub>e</sub>	230 - 400 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V

**Frequency**

Frequency	50 - 60 Hz
-----------	------------

**Connection**

Cross-section of input and output with screws, for massive conductors	1 - 35 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for flexible conductors	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 35 mm <sup>2</sup>

**Installation, mounting**

Nominal tightening torque	2.80 - 2.80 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

**Safety**

Ingress Protection (IP) class	IP20
-------------------------------	------

---

**Use conditions**

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I <sup>2</sup> t	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C

---

**Power**

Total power loss under IN	2.32 W
---------------------------	--------

---

**Connectivity**

Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

---

**Dimensions**

Height	83 mm
Width	17.50 mm
Depth	70 mm

---

**Sustainability**

RoHS conform	Yes
--------------	-----