



ARM966U

**MCB with dangerous arc detection 1M 16A C curve 6kA**

**Technical characteristics**

**Electric current**

Rated current	16 A
Rated current -25°C	20.5 A
Rated current at -20°C	20.1 A
Rated current -15°C	19.7 A
Rated current -10°C	19.3 A
Rated current -5°C	18.9 A
Rated current at 0°C	18.5 A
Rated current 5°C	18.1 A
Rated current 10°C	17.6 A
Rated current 15°C	17.2 A
Rated current at 20°C	16.8 A
Rated current 25°C	16.4 A
Rated current 30°C	16 A
Rated current 35°C	15.7 A
Rated current at 40°C	15.5 A
Rated current at 45°C	15.2 A
Rated current at 50°C	15 A
Rated current 55°C	14.7 A
Rated current 60°C	14.5 A
Rated short-circuit breaking capacity $I_{cn}$ under 230 V AC according to IEC 60898-1	6 kA

**Architecture**

Curve	C
Type of pole	1P+N

**Installation, mounting**

Nominal tightening torque top terminal	2.40 - 2.40 Nm
Nominal tightening torque down terminal	3.50 - 3.50 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal

**Main electrical attributes**

Rated short-circuit breaking capacity $I_{cn}$ AC according to IEC 60898-1	6 kA
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**Voltage**

Rated insulation voltage $U_i$	400 V
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Rated impulse withstand voltage Uimp	4,000 V
Rated operational voltage Ue	230 - 230 V
<b>Power</b>	
Total power loss under IN	3.8 W
<b>Use conditions</b>	
Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C
<b>Endurance</b>	
Number of mechanical operations	8,000
Electric endurance in number of cycles	2,000
<b>Capacity</b>	
Number of modules	1
<b>Dimensions</b>	
Height	125 mm
Width	17.50 mm
Depth	70 mm