



ARF960D

RCBO with dangerous arc detection 10A C curve 6kA Type A 30mA

Technical properties

Electric current

Rated current	10 A
Rated current -25°C	12.78 A
Rated current at -20°C	12.55 A
Rated current -15°C	12.32 A
Rated current -10°C	12.08 A
Rated current -5°C	11.84 A
Rated current at 0°C	11.60 A
Rated current 5°C	11.35 A
Rated current 10°C	11.09 A
Rated current 15°C	10.83 A
Rated current at 20°C	10.56 A
Rated current 25°C	10.28 A
Rated current 30°C	10 A
Rated current 35°C	9.71 A
Rated current at 40°C	9.41 A
Rated current at 45°C	9.10 A
Rated current at 50°C	8.78 A
Rated current 55°C	8.44 A
Rated current 60°C	8.09 A
Rated current 65°C	7.73 A
Rated current 70°C	7.35 A
Rated short-circuit breaking capacity I_{cn} under 230 V AC according to IEC 61009-1	6 kA
Breaking and opening capacity I_{dm}	6 kA
Rated residual operating current I_{dn}	30 mA

Architecture

Curve	C
Type of pole	1P+N

Installation, mounting

Nominal tightening torque down terminal	2 - 2 Nm
Nominal tightening torque	2.10 - 2.10 Nm
Type of bottom connection for modular devices	biconnect, quickbusbar
Type of top connection for modular devices	quickconnect

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1	6 kA
Safety	
Residual current type	A
Voltage	
Rated insulation voltage U _i	500 V
Rated impulse withstand voltage U _{imp}	4,000 V
Rated operational voltage U _e	230 - 230 V
Power	
Total power loss under I _N	3.18 W
Use conditions	
Class of energy limitation I ² t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-25 - 70 °C
Endurance	
Number of mechanical operations	4,000
Electric endurance in number of cycles	2,000
Capacity	
Number of modules	3
Dimensions	
Height	83 mm
Width	53.20 mm
Depth	70 mm
Frequency	
Frequency	50 - 50 Hz