Product Datasheet
ARR920U

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RCBO with dangerous arc detection 1M 20A B curve 6kA Type A 30mA

Technical Features

Electric current	
Rated current	20 A
Rated current -25°C	25.5 A
Rated current at -20°C	25 A
Rated current -15°C	24.5 A
Rated current -10°C	24 A
Rated current -5°C	23.5 A
Rated current at 0°C	23 A
Rated current 5°C	22.5 A
Rated current 10°C	22 A
Rated current 15°C	21.5 A
Rated current at 20°C	21 A
Rated current 25°C	20.5 A
Rated current 30°C	20 A
Rated current 35°C	19.6 A
Rated current at 40°C	19.2 A
Rated current at 45°C	18.8 A
Rated current at 50°C	18.4 A
Rated current 55°C	18 A
Rated current 60°C	17.6 A
Rated current 65°C	17.2 A
Rated current 70°C	16.8 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 61009-1	6 kA
Architecture	
Curve	B
Type of pole	1P+N
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
Installation, mounting	
Nominal tightening torque top terminal	2.40 - 2.40 Nm
Nominal tightening torque down terminal	3.50 - 3.50 Nm
Electric current	
Breaking and opening capacity Idm	3 kA
Rated residual operating current Idn	30 mA
Voltage	
Rated insulation voltage Ui	400 V
Safety	
Residual current type	A
Voltage	
Rated impulse withstand voltage Uimp	4000 V
Rated operational voltage Ue	230 - 230 V
Power	
Total power loss under IN	4.9 W
Use conditions	
Class of energy limitation I^2t	3
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C
Endurance	
Number of mechanical operations	8000

Endurance	
Electric endurance in number of cycles	2000
Installation, mounting	
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
Capacity	
Number of modules	1
Dimensions	
Height	125 mm
Width	17.50 mm
Depth	70 mm
Connection	
Cross-section of output with screws, for flexible conductors	1 - 16 mm^2
Cross-section of output with screws, for massive conductors	1 - 25 mm^2
Cross-section of input with screws, for flexible conductors	1 - 16 mm^2
Cross-section of input with screws, for massive conductors	1 - 16 mm^2
Frequency	
Frequency	50 - 50 Hz
Sustainability	
RoHS conform	Yes