ARF520D

RCBO with dangerous arc detection 20A B curve 10kA Type A 30mA

Technical Features

Electric current

Rated current	20 A
Rated current -25°C	24.80 A
Rated current at -20°C	24.36 A
Rated current -15°C	23.92 A
Rated current -10°C	23.47 A
Rated current -5°C	23.04 A
Rated current at 0°C	22.60 A
Rated current 5°C	22.16 A
Rated current 10°C	21.73 A
Rated current 15°C	21.29 A
Rated current at 20°C	20.85 A
Rated current 25°C	20.41 A
Rated current 30°C	20 A
Rated current 35°C	19.53 A
Rated current at 40°C	19.10 A
Rated current at 45°C	18.66 A
Rated current at 50°C	18.20 A
Rated current 55°C	17.78 A
Rated current 60°C	17.34 A
Rated current 65°C	16.90 A
Rated current 70°C	16.46 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 61009-1	10 kA

Architecture

Curve	B
Type of pole	1P+N

Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	10 kA

Installation, mounting

Nominal tightening torque top terminal	2 - 2 Nm
Nominal tightening torque down terminal	2 - 2 Nm

Electric current

Breaking and opening capacity Idm	10 kA
Rated residual operating current Idn	30 mA

Voltage

Rated insulation voltage Ui	500 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	6.08 W

Use conditions

Class of energy limitation I²t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-25 - 70 °C

Endurance

Number of mechanical operations	4000
Electric endurance in number of cycles	2000

Installation, mounting

Nominal tightening torque	2.10 - 2.10 Nm
Type of bottom connection for modular devices	Screw terminal
Type of top connection for modular devices	Screw terminal

Capacity

Number of modules	3

Dimensions

Height	83 mm
Width	53.20 mm
Depth	70 mm

Frequency

Frequency	50 - 50 Hz