



ARF506D

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

Technical Features

Electric current

Rated current	6 A
Rated current -25°C	7.86 A
Rated current at -20°C	7.71 A
Rated current -15°C	7.55 A
Rated current -10°C	7.40 A
Rated current -5°C	7.24 A
Rated current at 0°C	7.07 A
Rated current 5°C	6.91 A
Rated current 10°C	6.73 A
Rated current 15°C	6.56 A
Rated current at 20°C	6.38 A
Rated current 25°C	6.19 A
Rated current 30°C	6 A
Rated current 35°C	5.80 A
Rated current at 40°C	5.60 A
Rated current at 45°C	5.38 A
Rated current at 50°C	5.16 A
Rated current 55°C	4.93 A
Rated current 60°C	4.69 A
Rated current 65°C	4.43 A
Rated current 70°C	4.16 A
Rated short-circuit breaking capacity I _{cn} 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 I _{cn} AC according to IEC 60898-1	10 kA
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Installation, mounting

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

Electric current

Breaking and opening capacity I _{dm}	10 kA
Rated residual operating current I _{dn}	30 mA

Voltage

Rated insulation voltage U _i	500 V
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Safety

Residual current type	A
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Voltage

Rated impulse withstand voltage U _{imp}	4000 V
Rated operational voltage U _e	230 - 230 V

Power

Total power loss under I _N	2.20 W
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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	4000
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Endurance

Electric endurance in number of cycles	2000
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Installation, mounting

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

Number of modules	3
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Dimensions

Height	83 mm
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Width	53.20 mm
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Depth	70 mm
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Frequency

Frequency	50 - 50 Hz
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Sustainability

RoHS conform	Yes
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