

RCBO Electronic 2M 1P+N 6kA C-40A 30mA AC

Technical Features

Architecture

Type of pole	1P+N
Curve	C

Electric current

Rated current	40 A
Rated residual operating current I _{dn}	30 mA
Rated current -25°C	49.90 A
Rated current at -20°C	49.20 A
Rated current -15°C	48.40 A
Rated current -10°C	48.30 A
Rated current -5°C	46.90 A
Rated current at 0°C	46.20 A
Rated current 5°C	45.50 A
Rated current 10°C	44.70 A
Rated current 15°C	44 A
Rated current at 20°C	43.30 A
Rated current 25°C	42.50 A
Rated current 30°C	40 A
Rated current 35°C	41 A
Rated current at 40°C	40 A
Rated current at 50°C	40 A
Rated current 55°C	38.10 A
Rated current 60°C	37.30 A
Correction factor of rating current for 2 devices placed side by side	1
Correction factor of rating current for 3 devices placed side by side	0.95
Correction factor of rating current for 4 and 5 devices placed side by side	0.90
Correction factor of rating current for 6 devices placed side by side	0.85
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A

Safety

Residual current type	AC
Ingress Protection (IP) class	IP20

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	230 V
Rated impulse withstand voltage U _{imp}	4000 V
Max. operating voltage	253 V
Rated operational voltage U _e	240 - 240 V

Power

Total power loss under I _N	6.90 W
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Frequency

Frequency	50 - 50 Hz
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Use conditions

Max. altitude	2000 m
Class of energy limitation I ² t	3

Endurance

Electric endurance in number of cycles	2000
Number of mechanical operations	20000

Connection

Cross-section of input with screws, for flexible conductors	1 - 10 mm ²
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Connection

Cross-section of input with screws, for massive conductors 1 - 16 mm²

Installation, mounting

Nominal tightening torque 1.90 - 1.90 Nm

Capacity

Number of modules 2

Dimensions

Height 84 mm

Width 35 mm

Depth 68 mm

Use conditions

Operating temperature -25 - 40 °C

Storage/transport temperature -25 - 70 °C

Connection

Cross-section of output with screws, for flexible conductors 1 - 16 mm²

Cross-section of output with screws, for massive conductors 1 - 25 mm²

Sustainability

RoHS conform Yes
