



RCBO 1M 1P 10kA C-16A 30mA A

AD116B

Architecture

Neutral position	right
Number of protected poles	1
Number of poles	1 P
Type of pole	1 P
Curve	C

Main electrical features

Frequency	50 Hz
Rated short circuit breaking capacity I_{cn} AC according IEC60898-1	10 kA
Rated operational voltage U_e	230/240 V

Voltage

Rated insulation voltage	250 V
Max operating voltage	253 V
Rated impulse withstand voltage	4000 V

Electric current

Rated residual operating current	30 mA
Rated current	16 A
Withstand not tripping on 8-20 μ s wave	3 kA
Rated short circuit breaking capacity I_{cn} under 230V AC according IEC60898-1	10 kA
Breaking and opening capacity	6 kA
Magnetic regulating current	5/10 I_n
min/maxi threshold value of the AC thermal operation	1,13/1,45 I_n

Electric current / temperature

Rating current -15°C	21,23 A
Rating current -20°C	21,74 A
Rating current 0°C	19,64 A
Rating current 10°C	18,51 A
Rating current -10°C	20,72 A
Rating current 15°C	17,91 A
Rating current 20°C	17,3 A
Rating current 25°C	16,66 A
Rating current -25°C	22,23 A

Technical Properties

Rating current 30°C	16 A
Rating current 35°C	15,38 A
Rating current 40°C	14,75 A
Rating current 45°C	14,13 A
Rating current 5°C	19,08 A
Rating current -5°C	20,19 A
Rating current 50°C	13,5 A
Rating current 55°C	12,88 A
Rating current 60°C	12,25 A

Current correction factors

Correction factor of rating current for 2 devices placed 1 side-by-side

Correction factor of rating current for 3 devices placed 0,95 side-by-side

Correction factor of rating current for 4 and 5 devices 0,9 placed side-by-side

Correction factor of rating current for 6 devices placed 0,85 side-by-side

Power

Power loss per pole at In	2,88 W
Total power loss under IN	4,74 W

Tripping

Protected against nuisance tripping	no
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Endurance

Electric endurance in number of cycles	2000
Number of mechanical operations	1000

Dimensions

Depth of installed product	70 mm
Height of installed product	115 mm
Width of installed product	17,5 mm

Installation, mounting

Tightening torque	2,1Nm
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Connection

Connection cross-section at output with screw, for flexible conductor	1/16 mm ²
Connection cross-section of the access with screws, with flexible conductor	1/16 mm ²
Connection cross-section at output with screw, for massive conductor	1/25 mm ²
Connection cross-section for rigid conductor, upstream terminals with screws	1/25 mm ²

Standards

Standard text	IEC 61009-1, AS/NZS 61009-1
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Safety

Protection index IP	IP20
Residual current type	A

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I ² t	3
Altitude	2000 m
Air humidity protection	Execution II