



AD120B

RCBO 1M 1P 10kA C-20A 30mA A

Architecture

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

Functions

Concurrently switching N-neutral	no
Sealable	no

Controls and indicators

With fault indicator	no
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Main electrical features

Rated short circuit breaking capacity Icn AC according IEC60898-1	10 kA
Rated operational voltage Ue	230 / 240 V
Frequency	50 Hz

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	20 A
Withstand not tripping on 8-20 ?s wave	3 kA
Breaking and opening capacity	6 kA
min/maxi threshold value of the AC thermal operation	1,13 / 1,45 In
Magnetic regulating current	5 / 10 In
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	10 kA

Electric current / temperature

Rating current -25°C	25,78 A
Rating current -20°C	25,25 A
Rating current -15°C	24,73 A
Rating current -10°C	24,2 A
Rating current -5°C	23,68 A
Rating current 0°C	23,15 A
Rating current 5°C	22,63 A
Rating current 10°C	22,1 A
Rating current 15°C	21,58 A
Rating current 20°C	21,05 A
Rating current 25°C	20,53 A
Rating current 30°C	20 A
Rating current 35°C	19,6 A
Rating current 40°C	19,2 A
Rating current 45°C	18,8 A
Rating current 50°C	18,4 A
Rating current 55°C	18 A
Rating current 60°C	17,6 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	

Frequency

Frequency	50 Hz
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Power

Total power loss under I _N	5,76 W
Power loss per pole at I _N	2,98 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
360° product mounting position	yes

Connection

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

With interlocking device	no
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With transparent product label holder	no
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Standards

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

Protection index IP	IP20
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Residual current type	A
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Use conditions

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