



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

AD110B

**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	10 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	13,38 A
Rating current -20°C	13,11 A
Rating current -15°C	12,84 A
Rating current -10°C	12,55 A
Rating current -5°C	12,26 A
Rating current 0°C	11,97 A
Rating current 5°C	11,66 A
Rating current 10°C	11,35 A
Rating current 15°C	11,03 A
Rating current 20°C	10,7 A
Rating current 25°C	10,35 A
Rating current 30°C	10 A
Rating current 35°C	9,63 A
Rating current 40°C	9,25 A
Rating current 45°C	8,86 A
Rating current 50°C	8,44 A
Rating current 55°C	8 A
Rating current 60°C	7,54 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 <sub>N</sub>	2,58 W
Power loss per pole at I <sub>N</sub>	1,87 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

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

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With interlocking device	no
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With transparent product label holder	no
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#### Standards

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

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Protection index IP	IP20
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Residual current type	A
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#### Use conditions

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