AC132B

RCBO Electronic 1M 1P 10kA C-32A 10mA A Class

Technical properties

Architecture

Neutral position	right
Number of protected poles	1
Number of poles	1 P
Type of pole	1 P
Fixing mode	Din-Rail
Curve	C

Functions

Concurrently switching N-neutral	No

Configuration

Number of modules	1

Main electrical features

Rated short circuit breaking capacity Icn AC according IEC60898-1	10 kA
Rated operational voltage Ue	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	10 mA
Rated current	32 A
Withstand not tripping on 8-20 µs 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 currrent	5 / 10 In
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	10 kA

Electric current / temperature

Rating current -25°C	40.06 A
Rating current -20°C	39.39 A
Rating current -15°C	38.72 A
Rating current -10°C	38.03 A

Rating current -5°C	37.33 A
Rating current 0°C	36.62 A
Rating current 5°C	35.89 A
Rating current 10°C	35.14 A
Rating current 15°C	34.39 A
Rating current 20°C	33.61 A
Rating current 25°C	32.81 A
Rating current 30°C	32 A
Rating current 35°C	31.16 A
Rating current 40°C	30.31 A
Rating current 45°C	29.42 A
Rating current 50°C	28.51 A
Rating current 55°C	27.57 A
Rating current 60°C	26.6 A

Current correction factors

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	0.9
Correction factor of rating current for 6 devices placed side-by-side	0.85

Dimensions

Depth of installed product	70 mm
Height of installed product	110 mm
Width of installed product	17.8 mm

Frequency

Frequency	50 Hz

Power

Total power loss under IN	9.63 W
Power loss per pole at In	5.53 W

Tripping

Protected against nuisance tripping	No

Endurance

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

Installation, mounting

Tightening torque	2,1Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallic isolated
Top removability for modular devices	No
Bottom removability for modular devices	No

Connection

Connection cross-section at output with screw, for flexible conductor	1 / 16 mm²
Connection cross-section at output with screw, for massive conductor	1 / 25 mm²
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 25 mm²
Connection cross-section of the access with screws, with flexible conductor	1 / 16 mm²

Equipment

With transparent product label holder	No

Standards

Standard text	IEC 61009-1, AS/NZS 61009-1
European directive WEEE	concerned

Safety

Protection index IP	IP20
Residual current type	A
REACH conform	No
RoHS conform	Yes
Halogen free	No

Use conditions

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