



## RCBO 1M 1P 10kA C-32A 100mA AC

AEC132

### 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	100 mA
Rated short circuit breaking capacity $I_{cn}$ under 230V AC according IEC60898-1	10 kA
Breaking and opening capacity	6 kA
Magnetic regulating current at 40° C	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	38,72 A
Rating current -20°C	39,39 A
Rating current 0°C	36,62 A
Rating current 10°C	35,14 A
Rating current -10°C	38,03 A
Rating current 15°C	34,39 A
Rating current 20°C	33,61 A
Rating current 25°C	32,81 A
Rating current -25°C	40,06 A
Rating current 30°C	32 A
Rating current 35°C	31,16 A

Technical Properties

Rating current 40°C	30,31 A
Rating current 45°C	29,42 A
Rating current 5°C	35,89 A
Rating current -5°C	37,33 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 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 placed side-by-side 0,9	
Correction factor of rating current for 6 devices placed 0,85 side-by-side	

**Power**

Power loss per pole at In	5,53 W
Total power loss under IN	9,63 W

**Tripping**

Protected against nuisance tripping	no
-------------------------------------	----

**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
Length	73 mm
Width of installed product	17,8 mm

**Installation, mounting**

Tightening torque	2,1Nm
-------------------	-------

**Connection**

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

**Standards**

Standard text	IEC 61009-1, EN 61009-1
European directive WEEE	concerned

**Safety**

Protection index IP	IP20
Residual current type	AC

**Use conditions**

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