Product Datasheet
ASZ450U



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RCBO Electronic 3M 3P+N 10kA C-50A 300mA A Switched Neutral

Technical Features

Architecture

Type of pole	3P+N
Number of protected poles	3
Curve	C

Electric current

Rated current IN	50 A
Rated residual operating current Idn	300 mA
Rated current at -5°C	56.18 A
Rated current at 0°C	55.38 A
Rated current at 5°C	54.59 A
Rated current at 10°C	53.65 A
Rated current at 15°C	52.86 A
Rated current at 20°C	51.83 A
Rated current at 25°C	50.92 A
Rated current at 30°C	50 A
Rated current at 35°C	49.01 A
Rated current at 40°C	48.05 A
Rated current at 50°C	45.93 A
Rated current at 55°C	45.03 A
Rated current at 60°C	43.56 A
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A
Rated current at 45°C	46.95 A
Rated current at 65°C	42.67 A
Rated current at 70°C	41.78 A

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Identification

RCBO according to IEC 61009-2-2 classification	4.1.2

Voltage

Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4 kV
Rated operational voltage Ue	400 - 415 V
Overvoltage category according to IEC 60947-1	3

Power

Power dissipation at IN	14.65 W

Frequency

Frequency	50 - 60 Hz

Use conditions

Max. altitude	2000 m
Class of energy limitation I^2t	3

Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

Connection

Cross-section of top terminal with screws, for flexible conductors	1-16 mm^2
Cross-section of top terminal with screws, for rigid conductors	1-25 mm^2

Installation, mounting

Nominal tightening torque	2.5 - 2.5 Nm

Capacity	
Number of modules	3
Installation, mounting	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
Dimensions	
Height	122.9 mm
Width	53.4 mm
Depth	72 mm
Use conditions	
Operating temperature	-5 - 70 °C
Storage/transport temperature	-25 - 70 °C
Connection	
Cross-section of top and bottom terminal with screws, for flexible conductors	1-16 mm^2
Cross-section of top and bottom terminal with screws, for rigid conductors	1-25 mm^2
Cross-section of bottom terminal with screws, for flexible conductors	1-16 mm^2
Cross-section of bottom terminal with screws, for rigid conductors	1-25 mm^2
Compatibility	
Suitable for DIN Rail	Yes
Internal use only	
Standard	IEC 61009-1;AS/NZS 61009-1
Sustainability	
REACh-SVHC free	Yes
RoHS conform	Yes