Product Datasheet
CFC584B



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RCCB 1P+N 100A 300mA AC

Technical Features

Architecture

Type of pole	1P+N
Number of poles	2

Electric current

Rated current	100 A
Rated residual operating current Idn	300 mA
Breaking and opening capacity Idm	1.25 kA
Rated conditional short-circuit current Inc according to EN61008-1	10 kA
Rated current -25°C	100 A
Rated current at -20°C	100 A
Rated current -15°C	100 A
Rated current -10°C	100 A
Rated current -5°C	100 A
Rated current at 0°C	100 A
Rated current 5°C	100 A
Rated current 10°C	100 A
Rated current 15°C	100 A
Rated current at 20°C	100 A
Rated current 25°C	100 A
Rated current 30°C	100 A
Rated current 35°C	100 A
Rated current at 40°C	100 A
Rated current at 45°C	100 A
Rated current at 50°C	100 A
Rated current 55°C	95 A
Rated current 60°C	90 A
Rated current 65°C	90 A
Rated current 70°C	85 A

Installation, mounting

Nominal tightening torque top terminal	3.60 - 3.60 Nm
Nominal tightening torque down terminal	3.60 - 3.60 Nm

Connectivity

Type of connection	Screw terminal

Voltage

Rated operational voltage Ue	230 - 230 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Dielectric strength value of power frequency	2 kV
Rated impulse withstand voltage Uimp	4000 V
Rated impulse withstand voltage Uimp IEC 60947-3	6000 V
Max. operating voltage	253 V

Frequency

Frequency	50 - 60 Hz

Capacity

Number of modules	2

Compatibility

Suitable for DIN Rail	Yes

Safety

Residual current type	AC
Ingress Protection (IP) class	IP20

Installation, mounting	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
Connection	
Cross-section of output with screws, for massive conductors	1 - 50 mm^2
Cross-section of output with screws, for flexible conductors	1 - 35 mm^2
Cross-section of input and output with screws, for flexible conductors	1 - 35 mm^2
Cross-section of input and output with screws, for massive conductors	1 - 50 mm^2
Power	
Total power loss under IN	13.89 W
Use conditions	
Max. altitude	2000 m
Operating temperature	-25 - 50 °C
Endurance	
Electric endurance in number of cycles	10000
Number of mechanical operations	20000
Connectivity	
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
Dimensions	
Height	85 mm
Width	36 mm
Depth	70 mm
Sustainability	
RoHS conform	Yes