Product Datasheet
CFA684D

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RCCB 3P+N 100A 300mA A

Technical Features

Architecture

Type of pole	3P+N

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	100 A
Rated current 60°C	100 A
Rated current 65°C	95 A
Rated current 70°C	90 A

Installation, mounting

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

Voltage

Rated operational voltage Ue	230 - 400 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	440 V

Frequency

Frequency	50 - 60 Hz

Capacity

Number of modules	4

Compatibility

Suitable for DIN Rail	Yes

Safety

Residual current type	A
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 mm²
Cross-section of output with screws, for flexible conductors	1 - 35 mm²

Power

Total power loss under IN	21.48 W

Use conditions

Max. Altitude	2000 m
Operating temperature	-25 - 60 °C

Endurance

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

Connectivity

Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

Dimensions

Height	85 mm
Width	72 mm
Depth	70 mm

Sustainability

RoHS conform	Yes

Illustrations | Drawings