



CNA584U

RCCB 1P+N 100A 100mA A S

Technical characteristics

Architecture

Type of pole	1P+N
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Electric current

Rated current	100 A
Rated residual operating current I_{dn}	100 mA
Breaking and opening capacity I_{dm}	1.25 kA
Rated conditional short-circuit current I_{nc} 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

Voltage

Rated operational voltage U_e	230 - 230 V
Type voltage supply	AC
Rated insulation voltage U_i	500 V
Dielectric strength value of power frequency	2 kV
Rated impulse withstand voltage U_{imp}	4,000 V
Rated impulse withstand voltage U_{imp} IEC 60947-3	6,000 V

Max. operating voltage	253 V
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Frequency

Frequency	50 - 50 Hz
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Capacity

Number of modules	2
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Compatibility

Suitable for DIN Rail	Yes
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Safety

Residual current type	A SEL
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Ingress Protection (IP) class	IP20
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Installation, mounting

Nominal tightening torque top terminal	3.60 - 3.60 Nm
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Nominal tightening torque down terminal	3.60 - 3.60 Nm
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Type of bottom connection for modular devices	biconnect
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Top removability	Yes
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Connection

Cross-section of output with screws, for massive conductors	1 - 50 mm ²
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Cross-section of output with screws, for flexible conductors	1 - 35 mm ²
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Power

Total power loss under IN	13.89 W
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Use conditions

Max. Altitude	2,000 m
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Operating temperature	-25 - 50 °C
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Endurance

Electric endurance in number of cycles	10,000
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Number of mechanical operations	20,000
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Connectivity

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

Height	85 mm
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Width	36 mm
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Depth	70 mm
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