



CDA684T

## RCCB 3P+N 100A 30mA A

### Technical properties

#### Architecture

Type of pole	3P+N
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#### Electric current

Rated current	100 A
Rated residual operating current $I_{dn}$	30 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	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
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect, Bypass

#### Voltage

Rated operational voltage $U_e$	240 - 415 V
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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	456 V
<b>Frequency</b>	
Frequency	50 - 50 Hz
<b>Capacity</b>	
Number of modules	4
<b>Compatibility</b>	
Suitable for DIN Rail	Yes
<b>Safety</b>	
Residual current type	A
Ingress Protection (IP) class	IP20
<b>Connection</b>	
Cross-section of output with screws, for massive conductors	1 - 50 mm²
Cross-section of output with screws, for flexible conductors	1 - 35 mm²
<b>Power</b>	
Total power loss under IN	21,48 W
<b>Use conditions</b>	
Max. Altitude	2000 m
Operating temperature	-25 - 60 °C
<b>Endurance</b>	
Electric endurance in number of cycles	10000
Number of mechanical operations	20000
<b>Connectivity</b>	
Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
<b>Dimensions</b>	
Height	85 mm
Width	72 mm
Depth	70 mm