



CDA684T

RCCB 3P+N 100A 30mA A

Architecture

Neutral position	right
Number of poles	4 P
Type of pole	3P+N
Fixing mode	DIN rail type O (symmetrical)

Connectivity

Bottom connection alignment for modular devices	Aligned terminal
Top connection alignment for modular devices	Aligned terminal

Main electrical features

Frequency	50 Hz
Type of supply voltage	AC
Rated operational voltage Ue	240/415 V

Voltage

Rated insulation voltage	500 V
Max operating voltage	456 V
Rated impulse withstand voltage	4000 V

Electric current

Rated residual operating current	30 mA
Withstand not tripping on 8-20 ?s wave	3 kA
Breaking and opening capacity	1250 A
Rated conditional short-circuit current Inc according to EN 61008-1	10 kA

Electric current / temperature

Rating current -15°C	100 A
Rating current -20°C	100 A
Rating current 0°C	100 A
Rating current 10°C	100 A
Rating current -10°C	100 A
Rating current 15°C	100 A
Rating current 20°C	100 A
Rating current 25°C	100 A
Rating current -25°C	100 A

#### Technical Properties

Rating current 30°C	100 A
Rating current 35°C	100 A
Rating current 40°C	100 A
Rating current 45°C	100 A
Rating current 5°C	100 A
Rating current -5°C	100 A
Rating current 50°C	100 A
Rating current 55°C	100 A
Rating current 60°C	100 A
Rating current 65°C	95 A
Rating current 70°C	90 A

#### Power

Total power loss under IN	21,48 W
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#### Tripping

Short-time delayed tripping	no
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#### Endurance

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

#### Dimensions

Depth of installed product	70 mm
Height of installed product	85 mm
Width of installed product	72 mm
Construction size (DIN 43880)	1

#### Installation, mounting

Type of top connection for modular devices	with screw
Type of bottom rail clip for modular devices	metallic
Type of top rail clip for modular devices	Plastic
Type of Bottom Connection for modular devices	Blconnect + bypass
Bottom removability for modular devices	no
Top removability for modular devices	yes

#### Connection

Connection cross-section at output with screw, for flexible conductor	1/35 mm <sup>2</sup>
Connection cross-section of the access with screws, with flexible conductor	1/35 mm <sup>2</sup>
Connection cross-section at output with screw, for massive conductor	1/50 mm <sup>2</sup>
Connection cross-section for rigid conductor, upstream terminals with screws	1/50 mm <sup>2</sup>

#### Equipment

Can be accessorized	yes
Quick connect	no
Type selective	no

#### Standards

Standard text	IEC 61008-1, AS/NZS 61008-1
European directive WEEE	not concerned

#### Safety

Protection index IP	IP20
Residual current type	A
Rated impulse withstand voltage according to IEC 60947-3	6000 V

#### Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage temperature	-55 to 70 °C