



CDA680T

## RCCB 3P+N 80A 30mA A

### Technical properties

#### Architecture

Neutral position	right
Number of poles	4 P
Type of pole	3P+N

#### Configuration

Number of modules	4
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#### Connectivity

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

#### Main electrical features

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

#### 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
Rated current	80 A
Withstand not tripping on 8-20 $\mu$ s wave	3 kA
Breaking and opening capacity	1250 A
Rated conditional short-circuit current $I_{nc}$ according to EN 61008-1	10 kA

#### Electric current / temperature

Rating current -25°C	80 A
Rating current -20°C	80 A
Rating current -15°C	80 A
Rating current -10°C	80 A
Rating current -5°C	80 A
Rating current 0°C	80 A
Rating current 5°C	80 A
Rating current 10°C	80 A

Rating current 15°C	80 A
Rating current 20°C	80 A
Rating current 25°C	80 A
Rating current 30°C	80 A
Rating current 35°C	80 A
Rating current 40°C	80 A
Rating current 45°C	80 A
Rating current 50°C	80 A
Rating current 55°C	80 A
Rating current 60°C	80 A
Rating current 65°C	80 A
Rating current 70°C	80 A

### Dimensions

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

### Frequency

Frequency	50 Hz
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### Power

Total power loss under IN	15.8 W
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### Tripping

Short-time delayed tripping	No
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### Electrical specifications

Operating voltage for test button circuit	195...456 V
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### Endurance

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

### Installation, mounting

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

### Connection

Connection cross-section at output with screw, for 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>

Connection cross-section of the access with  
screws, with flexible conductor

1 / 35 mm<sup>2</sup>

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**Equipment**

Quick connect	no
Type selective	No
Can be accessorized	Yes
With transparent product label holder	Yes

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**Standards**

Standard text	IEC 61008-1 ; AS/NZS 61008-1
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**Safety**

Residual current type	A
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**Use conditions**

Operating temperature	-25...70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage/transport temperature	-55...70 °C