



CD283U

## RCCB 2P 80A 30mA A

### Technical properties

#### Architecture

Type of pole	1P+N
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#### Electric current

Rated current	80 A
Rated residual operating current $I_{\Delta n}$	30 mA
Breaking and opening capacity $I_{dm}$	1.50 kA
Rated conditional short-circuit current $I_{nc}$ according to EN61008-1	6 kA
Rated current -25°C	80 A
Rated current at -20°C	80 A
Rated current -15°C	80 A
Rated current -10°C	80 A
Rated current -5°C	80 A
Rated current at 0°C	80 A
Rated current 5°C	80 A
Rated current 10°C	80 A
Rated current 15°C	80 A
Rated current at 20°C	80 A
Rated current 25°C	80 A
Rated current 30°C	80 A
Rated current 35°C	80 A
Rated current at 40°C	80 A
Rated current at 45°C	80 A
Rated current at 50°C	80 A
Rated current 55°C	80 A
Rated current 60°C	74 A
Rated current 65°C	66 A
Rated current 70°C	56 A

#### Main electrical attributes

Nominal tightening torque top terminal	3.30 - 3.30 Nm
Nominal tightening torque down terminal	3.30 - 3.30 Nm

#### Voltage

Rated operational voltage $U_e$	230 - 230 V
Type voltage supply	AC
Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	4,000 V

**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
Ingress Protection (IP) class	IP20

**Installation, mounting**

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal
Nominal tightening torque	3.30 - 3.30 Nm

**Connection**

Cross-section of input and output with screws, for massive conductors	1 - 50 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 35 mm <sup>2</sup>

**Power**

Total power loss under IN	9.10 W
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**Use conditions**

Max. Altitude	2,000 m
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**Endurance**

Electric endurance in number of cycles	2,000
Number of mechanical operations	4,000

**Connectivity**

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

**Dimensions**

Height	83 mm
Width	35 mm
Depth	70 mm