Product Datasheet
CD283U



CD283U

RCCB 2P 80A 30mA A

Technical Features

Architecture

Type of pole	1P+N
Number of poles	2

Electric current

Rated current IN	80 A
Rated residual operating current Idn	30 mA
Breaking and opening capacity Idm	1.50 kA
Rated conditional short-circuit current Inc according to EN61008-1	6 kA
Rated current at -25°C	80 A
Rated current at -20°C	80 A
Rated current at -15°C	80 A
Rated current at -10°C	80 A
Rated current at -5°C	80 A
Rated current at 0°C	80 A
Rated current at 5°C	80 A
Rated current at 10°C	80 A
Rated current at 15°C	80 A
Rated current at 20°C	80 A
Rated current at 25°C	80 A
Rated current at 30°C	80 A
Rated current at 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 at 55°C	80 A
Rated current at 60°C	74 A
Rated current at 65°C	66 A
Rated current at 70°C	56 A

Installation, mounting

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

Connectivity

Type of connection	Screw terminal

Voltage

Rated operational voltage Ue	230 - 230 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	253 V

Frequency

Frequency	50 - 50 Hz

Capacity

Number of modules	2

Compatibility

Suitable for DIN Rail	Yes

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Installation, mounting

Type of top connection for modular devices	Screw terminal

Installation, mounting	
Type of bottom connection for modular devices	Screw terminal
Nominal tightening torque	3.30 - 3.30 Nm
Connection	
Cross-section of bottom terminal with screws, for rigid conductors	1 - 50 mm^2
Cross-section of bottom terminal with screws, for flexible conductors	1 - 35 mm^2
Cross-section flexible conductor	35 mm^2 max.
Cross-section rigid conductor	50 mm^2 max.
Cross-section of top and bottom terminal with screws, for flexible conductors	1 - 35 mm^2
Cross-section of top and bottom terminal with screws, for rigid conductors	1 - 50 mm^2
Power	
Power dissipation at IN	9.10 W
Use conditions	
Max. altitude	2000 m
Operating temperature	-25 - 40 °C
Endurance	
Electric endurance in number of cycles	2000
Number of mechanical operations	4000
Connectivity	
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
Sustainability	
RoHS conform	Yes