



CD285U

RCCB 2P 100A 30mA A

Technical properties

Architecture

Type of pole	1P+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}	1.50 kA
Rated conditional short-circuit current I_{nc} according to EN61008-1	6 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	94 A
Rated current at 50°C	88 A
Rated current 55°C	81 A
Rated current 60°C	74 A
Rated current 65°C	66 A
Rated current 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
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

Voltage

Rated operational voltage Ue	230 - 230 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4,000 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
Connection	
Cross-section of input and output with screws, for massive conductors	1 - 50 mm²
Cross-section of input and output with screws, for flexible conductors	1 - 35 mm²
Cross-section flexible conductor	35 mm² max.
Cross-section rigid conductor	50 mm² max.
Power	
Total power loss under IN	14.30 W
Use conditions	
Max. Altitude	2,000 m
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