



CD285U

RCCB 2P 100A 30mA A

Technical properties

Architecture		
of pole	1P+N	
tric current		
d current	100 A	
d residual operating current Idn	30 mA	
king and opening capacity Idm	1.50 kA	
d conditional short-circuit current Inc rding to EN61008-1	6 kA	
d current -25°C	100 A	
d current at -20°C	100 A	
d current -15°C	100 A	
d current -10°C	100 A	
d current -5°C	100 A	
d current at 0°C	100 A	
d current 5°C	100 A	
d current 10°C	100 A	
d current 15°C	100 A	
d current at 20°C	100 A	
d current 25°C	100 A	
d current 30°C	100 A	
d current 35°C	100 A	
d current at 40°C	100 A	
d current at 45°C	94 A	
d current at 50°C	88 A	
d current 55°C	81 A	
d current 60°C	74 A	
d current 65°C	66 A	
d 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

Type voltage supply AC Rated insulation voltage Ui 500 V Rated insulation voltage Uimp 4.000 V Max. operating voltage 253 V Frequency 253 V Frequency 50 - 50 Hz Capacity Number of modules Number of modules 2 Compatibility Suitable for DIN Rail Safety Residual current type Residual current type A Ingress Protection (IP) class IP20 Consection 1 - 50 mm² Cross-section of input and output with screws, for massive conductors 1 - 50 mm² Cross-section of input and output with screws, for massive conductors 1 - 35 mm² Cross-section of input and output with screws, for massive conductor 35 mm² max. Cross-section figli conductor 50 mm² max. Power 1 2,000 m Indurance 2 2,000 m Electric endurance in number of cycles 2,000 m Number of mechanical operations 4.000 Connection Screw terminal Type of connection alignment for modu	Rated operational voltage Ue	230 - 230 V
Rated impulse withstand voltage Uimp 4,000 V Max. operating voltage 253 V Frequency 50 - 50 Hz Capacity 2 Number of modules 2 Compatibility 2 Suitable for DIN Rail Yes Safety A Residual current type A Ingress Protection (IP) class IP20 Consection of input and output with screws, for massive conductors 1 - 50 mm² Cross-section of input and output with screws, for massive conductors 1 - 35 mm² Cross-section rigid conductor 35 mm² max. Cross-section rigid conductor 50 mm² max. Power 2 Total power loss under IN 14.30 W Use conditions 4,000 Max. Altitude 2,000 m Electric endurance in number of cycles 2,000 m Electric endurance in number of cycles 2,000 m Vape of connection Screw terminal Top connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions Height 33 m	Type voltage supply	AC
Max. operating voltage 253 V Frequency 50 - 50 Hz Capacity Number of modules 2 Compatibility 2 Suitable for DIN Rail Yes Safety A Ingress Protection (IP) class IP20 Connection 1 - 50 mm² Cross-section of input and output with screws, for massive conductors 1 - 50 mm² Cross-section rigid conductor 35 mm² max. Cross-section rigid conductor 50 mm² max. Max. Altitude 2,000 m <	Rated insulation voltage Ui	500 V
Frequency 50 - 50 Hz Capacity 2 Number of modules 2 Compatibility 2 Suitable for DIN Rail Yes Safety A Ingress Protection (IP) class IP20 Consection 2 Cross-section of input and output with screws, for flexible conductors 1 - 50 mm² Cross-section of lexible conductor 35 mm² max. Cross-section of lexible conductor 35 mm² max. Cross-section rigid conductor 50 mm² max. Power 2,000 m Total power loss under IN 14.30 W Use conditions 4,000 Connectivity 2,000 m Type of connection 5crew terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4.001 35 mm	Rated impulse withstand voltage Uimp	4,000 V
Prequency 50 - 50 Hz Capacity 2 Number of modules 2 Compatibility 2 Suitable for DIN Rall Yes Safety A Ingress Protection (IP) class IP20 Connection 1 - 50 mm² Cross-section of Input and output with screws, for massive conductors 1 - 35 mm² Cross-section of input and output with screws, for flexible conductor 35 mm² max. Cross-section flexible conductor 35 mm² max. Power 1 Total power loss under IN 14.30 W Use conditions 2,000 m Max. Altitude 2,000 m Electric endurance in number of cycles 2,000 m Mumber of mechanical operations 4,000 Connectivity 1 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4 Height 83 mm Width 35 mm	Max. operating voltage	253 V
Capacity Number of modules 2 Compatibility 2 Suitable for DIN Rail Yes Safety Residual current type A Ingress Protection (IP) class IP20 Connection 1-50 mm² Cross-section of input and output with screws, for massive conductors 1-35 mm² Cross-section of linput and output with screws, for flexible conductor 35 mm² max. Cross-section of linput and output with screws, for flexible conductor 50 mm² max. Cross-section flexible conductor 50 mm² max. Cross-section rigid conductor 50 mm² max. Cross-section rigid conductor 50 mm² max. Power 2 Total power loss under IN 14.30 W Use conditions 2,000 m Max. Altitude 2,000 m Endurance 2,000 m Connectivity 4,000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 83 mm Height 83 mm <td>Frequency</td> <td></td>	Frequency	
Number of modules 2 Compatibility 2 Suitable for DIN Rail Yes Safety A Residual current type A Ingress Protection (IP) class IP20 Connection 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 flexible conductor 50 mm² max. Power 7 Total power loss under IN 14.30 W Use conditions 4,000 Max. Altitude 2,000 m Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connection Screw terminal Type of connection Screw terminal Type of connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 83 mm Height 83 mm	Frequency	50 - 50 Hz
Compatibility Suitable for DIN Rail Safety Residual current type A Ingress Protection (IP) class IP20 Connection IP20 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 V Total power loss under IN 14.30 W Use conditions 2,000 m Max. Altitude 2,000 m Electric endurance in number of cycles 2,000 m Connectivity 1 Type of connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions Aligned terminal Height 83 mm With 35 mm	Capacity	
Suitable for DIN Rail Yes Safety Residual current type A Ingress Protection (IP) class IP20 Connection 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 V Total power loss under IN 14.30 W Use conditions 2,000 m Max. Altitude 2,000 m Endurance 2,000 m Electric endurance in number of cycles 2,000 m Number of mechanical operations 4,000 Connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions 4ligned terminal Height 83 mm Width 35 mm	Number of modules	2
Safety Residual current type A Ingress Protection (IP) class IP20 Connection 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 conductors 35 mm² max. Cross-section flexible conductor 35 mm² max. Power 2 Total power loss under IN 14.30 W Use conditions 2,000 m Endurance 2,000 m Electric endurance in number of cycles 2,000 m Type of connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions Aligned terminal Width 35 mm	Compatibility	
Residual current type A Ingress Protection (IP) class IP20 Connection IP20 Cross-section of input and output with screws, for massive conductors 1 - 50 mm² Cross-section of input and output with screws, for flexible conductor 35 mm² Cross-section flexible conductor 35 mm² max. Cross-section rigid conductor 50 mm² max. Cross-section rigid conductor 50 mm² max. Cross-section rigid conductor 50 mm² max. Power 14.30 W Use conditions 2,000 m Max. Altitude 2,000 m Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity 1 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 83 mm Height 83 mm	Suitable for DIN Rail	Yes
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 rigid conductor 35 mm² max. Cross-section rigid conductor 50 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	Safety	
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 35 mm² max. Cross-section rigid conductor 50 mm² max. Power 7 Total power loss under IN 14.30 W Use conditions 2,000 m Max. Altitude 2,000 m Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4000 m Height 83 mm	Residual current type	A
Cross-section of input and output with screws, for massive conductors 1 - 50 mm ² Cross-section of input and output with screws, for flexible conductor 35 mm ² max. Cross-section rigid conductor 50 mm ² max. Cross-section rigid conductor 50 mm ² 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 alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions	Ingress Protection (IP) class	IP20
screws, for massive conductors 1 - 50 mm ² Cross-section of input and output with screws, for flexible conductor 35 mm ² max. Cross-section rigid conductor 50 mm ² max. Cross-section rigid conductor 50 mm ² 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	Connection	
screws, for flexible conductors 1 - 35 mm² max. 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 alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 83 mm Width 35 mm		1 - 50 mm²
Cross-section rigid conductor 50 mm² max. Power 14.30 W Use conditions 14.30 W Use conditions 2,000 m Endurance 2,000 Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity Type of connection Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4ligned terminal Maxies 83 mm Width 35 mm		1 - 35 mm²
Power Total power loss under IN 14.30 W Use conditions 14.30 W Max. Altitude 2,000 m Endurance 2,000 Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity 14.30 W Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4ligned terminal Maxies 83 mm Width 35 mm	Cross-section flexible conductor	35 mm² max.
Total power loss under IN 14.30 W Use conditions 14.30 W Max. Altitude 2,000 m Endurance 2,000 Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity 4,000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4ligned terminal Width 83 mm	Cross-section rigid conductor	50 mm² max.
Use conditions Max. Altitude 2,000 m Endurance 2,000 Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity 1 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4 Height 83 mm Width 35 mm	Power	
Max. Altitude 2,000 m Endurance 2,000 Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity 4,000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4.000 Height 83 mm Width 35 mm	Total power loss under IN	14.30 W
Endurance Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity Type of connection Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 83 mm Width 35 mm 35 mm	Use conditions	
Electric endurance in number of cycles 2,000 Number of mechanical operations 4,000 Connectivity Type of connection Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 83 mm Width 35 mm 1000	Max. Altitude	2,000 m
Number of mechanical operations 4,000 Connectivity Type of connection Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 83 mm Width 35 mm	Endurance	
Connectivity Type of connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions Height 83 mm Width 35 mm	Electric endurance in number of cycles	2,000
Type of connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions Height 83 mm Width 35 mm	Number of mechanical operations	4,000
Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 83 mm Width 35 mm	Connectivity	
devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 83 mm Width 35 mm	Type of connection	Screw terminal
devices Aligned terminal Dimensions 83 mm Height 83 mm Width 35 mm		Aligned terminal
Height 83 mm Width 35 mm		Aligned terminal
Width 35 mm	Dimensions	
	Height	83 mm
Depth 70 mm	Width	35 mm
	Depth	70 mm