Product data sheet CDB525T





CDB525T

RCCB 1P+N 25A 30mA B

Technical properties

Type of pole	1P+N
Type of pole	11 TH
Electric current	
Rated current	25 A
Rated residual operating current Idn	30 mA
Breaking and opening capacity Idm	0,80 kA
Rated conditional short-circuit current Inc according to EN61008-1	10 kA
Rated current -25°C	25 A
Rated current at -20°C	25 A
Rated current -15°C	25 A
Rated current -10°C	25 A
Rated current -5°C	25 A
Rated current at 0°C	25 A
Rated current 5°C	25 A
Rated current 10°C	25 A
Rated current 15°C	25 A
Rated current at 20°C	25 A
Rated current 25°C	25 A
Rated current 30°C	25 A
Rated current 35°C	25 A
Rated current at 40°C	25 A
Rated current at 45°C	25 A
Rated current at 50°C	25 A
Rated current 55°C	25 A
Rated current 60°C	25 A
Rated current 65°C	25 A
Rated current 70°C	25 A
Installation, mounting	
Nominal tightening torque top terminal	3,60 - 3,60 Nm
Nominal tightening torque down terminal	3,60 - 3,60 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect

Voltage

Rated operational voltage Ue

Rated insulation voltage UI 400 V Delectric strength value of power 2 kV Rated inpulse withstand voltage Uimp 4000 V Rated inpulse withstand voltage Uimp IEC 6000 V 60937-3 6000 V Max. operating voltage 253 V Frequency 50 - 50 Hz Capacity 8 Number of modules 4 Compatibility 4 Suitable for DIN Rail Yes Safety 8 Residual current type B Ingress Protection (IP) class IP20 Consection 1 - 25 mm² Cross-section of output with screws, for massive conductors 1 - 25 mm² Cross-section of output with screws, for flex	Type voltage supply	AC
frequency 2 kV Rated impulse withstand voltage Uimp IEC 6000 V Max. operating voltage 253 V Frequency 50 - 50 Hz Capacity 8 Number of modules 4 Compatibility 9 Suitable for DIN Rail Yes Safety 8 Residual current type 8 Ingress Protection (IP) class 1 - 25 mm ² Cross-section of output with screws, for flex- Ible conductors 1 - 16 mm ² Power 1 - 16 mm ² Total power loss under IN 1,77 W Use conditions 2000 m Max. Altitude 2000 m Operating temperature -25 - 70 *C Endurance 10000 Number of mechanical operations 20000 m Operating temperature -25 - 70 *C Endurance 10000 Number of mechanical operations 20000 m Operating temperature Aligned terminal Top of connection Screw terminal Operating temperature Aligned terminal Down connection alignment for modular Aligned t	Rated insulation voltage Ui	400 V
Rated impulse withstand voltage Uimp IEC 6000 V 60947-3 6000 V Max. operating voltage 253 V Frequency 50 - 50 Hz Capacity V Number of modules 4 Compatibility 4 Suitable for DIN Rail Yes Safety 8 Residual current type 8 Ingress Protection (IP) class IP20 Connection 7 Cross-section of output with screws, for flex-ible conductors 1 - 25 mm² Residual current type 8 Ingress Protection (IP) class 1 - 25 mm² Cross-section of output with screws, for flex-ible conductors 1 - 16 mm² Power 1 1,77 W Use conditions 2000 m Max. Altitude 2000 m Operating temperature -25 - 70 °C Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity 20000 Type of connection Screw terminal Type oronection alignment for modular Aligned terminal Down connectio		2 kV
60947-3 6000 V Max. operating voltage 253 V Frequency 50 - 50 Hz Capacity S0 - 50 Hz Number of modules 4 Compatibility 4 Suitable for DIN Rail Yes Safety 8 Ingress Protection (IP) class IP20 Consection 1 - 25 mm² Cross-section of output with screws, for flex-lible conductors 1 - 25 mm² Total power loss under IN 1,77 W Use conditions 2000 m Max. Altitude 2000 m Operating temperature -25 - 70 °C Electric endurance in number of cycles 10000 Number of modular 2000 m Operating temperature -25 - 70 °C Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity 2000 m Type of connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions 4 Height 85 mm Width 72 mm	Rated impulse withstand voltage Uimp	4000 V
Frequency 50 - 50 Hz Capacity Xumber of modules 4 Compatibility Xumber of modules 4 Suitable for DIN Rail Yes Safety Residual current type B Ingress Protection (IP) class IP20 Consection of output with screws, for massive conductors 1 - 25 mm² Power 1 - 16 mm² Total power loss under IN 1,77 W Use conditions 2000 m Operating temperature -25 - 70 °C Electric endurance in number of cycles 100000 Number of mechanical operations 20000 m Operating temperature -25 - 70 °C Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity Xumber of mechanical operations Type of connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 85 mm		6000 V
Frequency 50 - 50 Hz Capacity Image: Solution of Modules 4 Compatibility Suitable for DIN Rail Yes Safety Residual current type B Ingress Protection (IP) class IIP20 Consection of output with screws, for massive conductors 1 - 25 mm ² Cross-section of output with screws, for flex-ible conductors 1 - 16 mm ² Power 1 - 16 mm ² Total power loss under IN 1,77 W Use conditions 2000 m Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance 10000 Number of mechanical operations 20000 m Operating temperature -25 - 70 °C Endurance 10000 Dimeser of connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions Height 85 mm Width 72 mm	Max. operating voltage	253 V
Capacity Number of modules 4 Compatibility 5 Suitable for DIN Rail Yes Safety 8 Residual current type B Ingress Protection (IP) class IP20 Connection 1 - 25 mm² Cross-section of output with screws, for 1 - 25 mm² Cross-section of output with screws, for flex-ible conductors 1 - 16 mm² Power 1 Total power loss under IN 1,77 W Use conditions 2000 m Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance 20000 m Deparating temperature -25 - 70 °C Endurance 10000 Number of mechanical operations 20000 m Operating temperature -25 - 70 °C Endurance 10000 Number of mechanical operations 20000 m Connectivity Strew terminal Type of connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions Height 85 mm	Frequency	
Number of modules 4 Compatibility Suitable for DIN Rail Yes Safety Residual current type B Ingress Protection (IP) class IP20 Connection Cross-section of output with screws, for massive conductors 1 - 25 mm² Cross-section of output with screws, for flex- ible conductors 1 - 16 mm² Power 1 - 16 mm² Total power loss under IN 1,77 W Use conditions 2000 m Max. Altitude 2000 m Operating temperature -25 - 70 °C Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connection Screw terminal Top connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions Aligned terminal Height 85 mm Width 72 mm	Frequency	50 - 50 Hz
Compatibility Suitable for DIN Rail Yes Safety B Residual current type B Ingress Protection (IP) class IP20 Connection 1 - 25 mm² Cross-section of output with screws, for massive conductors 1 - 25 mm² Cross-section of output with screws, for flex-ible conductors 1 - 16 mm² Power 1 - 16 mm² Total power loss under IN 1,77 W Use conditions 2000 m Operating temperature -25 - 70 °C Endurance 10000 Number of mechanical operations 20000 Connectivity 10000 Number of mechanical operations 20000 Connection alignment for modular Aligned terminal Tope connection alignment for modular Aligned terminal Down connection alignment for modular Aligned terminal Dimensions 85 mm Height 85 mm	Capacity	
Suitable for DIN Rail Yes Safety Residual current type B Ingress Protection (IP) class IP20 Connection IP20 Cross-section of output with screws, for massive conductors 1 - 25 mm² Cross-section of output with screws, for flex-ible conductors 1 - 16 mm² Power 1 - 16 mm² Total power loss under IN 1,77 W Use conditions 2000 m Operating temperature -25 - 70 °C Endurance 20000 Connection 20000 Number of mechanical operations 20000 Connection alignment for modular devices Aligned terminal Top connection alignment for modular devices Dimensions Aligned terminal Dimensions Height 85 mm Width 72 mm	Number of modules	4
Safety B Residual current type B Ingress Protection (IP) class IP20 Connection IP20 Cross-section of output with screws, for massive conductors 1 - 25 mm² Cross-section of output with screws, for flex-tible conductors 1 - 16 mm² Power 1 - 16 mm² Total power loss under IN 1,77 W Use conditions 2000 m Operating temperature -25 - 70 °C Endurance 2000 m Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 400012 Height 85 mm Width 72 mm	Compatibility	
Residual current type B Ingress Protection (IP) class IP20 Connection IP20 Cross-section of output with screws, for massive conductors Cross-section of output with screws, for flex-ible conductors 1 - 25 mm² Power 1 - 16 mm² Power 1 - 16 mm² Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance 10000 Number of mechanical operations 20000 Connectivity 10000 Number of mechanical operations 20000 Connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 85 mm Height 85 mm	Suitable for DIN Rail	Yes
Ingress Protection (IP) class IP20 Connection Cross-section of output with screws, for massive conductors 1 - 25 mm² Cross-section of output with screws, for flex- ible conductors 1 - 16 mm² Power Total power loss under IN 1,77 W Use conditions Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 85 mm Width 72 mm	Safety	
Connection Cross-section of output with screws, for massive conductors 1 - 25 mm² Cross-section of output with screws, for flex-ible conductors 1 - 16 mm² Power 1 - 16 mm² Total power loss under IN 1,77 W Use conditions 2000 m Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance 10000 Number of mechanical operations 20000 Connectivity 20000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4ligned terminal Height 85 mm Width 72 mm	Residual current type	В
Cross-section of output with screws, for 1 - 25 mm² Cross-section of output with screws, for flex- 1 - 16 mm² Power 1 - 16 mm² Total power loss under IN 1,77 W Use conditions 2000 m Operating temperature -25 - 70 °C Endurance 10000 Number of mechanical operations 20000 Connectivity 20000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 40001 and 40001 and 40000 and 400000 and 4000000 and 4000000000000000000000000000000000000	Ingress Protection (IP) class	IP20
massive conductors 1 - 25 mm² Cross-section of output with screws, for flex- ible conductors 1 - 16 mm² Power 1 Total power loss under IN 1,77 W Use conditions 1 Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance 10000 Number of mechanical operations 20000 Connectivity 20000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4 Height 85 mm Width 72 mm	Connection	
ible conductors 1 - 16 mm² Power		1 - 25 mm²
Total power loss under IN 1,77 W Use conditions Max. Altitude Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance Electric endurance in number of cycles Electric endurance in operations 20000 Number of mechanical operations 20000 Connectivity Type of connection Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 85 mm Width 72 mm 10000		1 - 16 mm²
Use conditions Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance 10000 Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity 20000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 40000 Height 85 mm Width 72 mm	Power	
Max. Altitude 2000 m Operating temperature -25 - 70 °C Endurance 20000 Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity 20000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 85 mm Width 72 mm	Total power loss under IN	1,77 W
Operating temperature -25 - 70 °C Endurance 10000 Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity 20000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions 4ligned terminal Height 85 mm Width 72 mm	Use conditions	
Endurance Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity 20000 Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 85 mm Width 72 mm 10000	Max. Altitude	2000 m
Electric endurance in number of cycles 10000 Number of mechanical operations 20000 Connectivity Type of connection Screw terminal Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 85 mm Width 72 mm	Operating temperature	-25 - 70 °C
Number of mechanical operations 20000 Connectivity Type of connection Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 85 mm Width 72 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 85 mm Width 72 mm	Electric endurance in number of cycles	10000
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 85 mm Width 72 mm	Number of mechanical operations	20000
Top connection alignment for modular devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height 85 mm Width 72 mm 72 mm	Connectivity	
devices Aligned terminal Down connection alignment for modular devices Aligned terminal Dimensions Height Width 72 mm	Type of connection	Screw terminal
devices Aligned terminal Dimensions 85 mm Height 85 mm Width 72 mm		Aligned terminal
Height85 mmWidth72 mm		Aligned terminal
Height 85 mm Width 72 mm	Dimensions	
Width 72 mm	Height	85 mm
Depth 70 mm		72 mm
	Depth	70 mm