



CDB640E

RCCB 3P+N 40A 30mA B

Technical characteristics

Architecture

Type of pole	3P+N
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Electric current

Rated current	40 A
Rated residual operating current I _{dn}	30 mA
Breaking and opening capacity I _{dm}	0.80 kA
Rated conditional short-circuit current I _{nc} according to EN61008-1	10 kA
Rated current -25°C	40 A
Rated current at -20°C	40 A
Rated current -15°C	40 A
Rated current -10°C	40 A
Rated current -5°C	40 A
Rated current at 0°C	40 A
Rated current 5°C	40 A
Rated current 10°C	40 A
Rated current 15°C	40 A
Rated current at 20°C	40 A
Rated current 25°C	40 A
Rated current 30°C	40 A
Rated current 35°C	40 A
Rated current at 40°C	40 A
Rated current at 45°C	40 A
Rated current at 50°C	40 A
Rated current 55°C	40 A
Rated current 60°C	40 A
Rated current 65°C	40 A
Rated current 70°C	40 A

Main electrical attributes

Nominal tightening torque top terminal	3.60 - 3.60 Nm
Nominal tightening torque down terminal	3.60 - 3.60 Nm

Voltage

Rated operational voltage U _e	230 - 400 V
Type voltage supply	AC
Rated insulation voltage U _i	400 V

Dielectric strength value of power frequency	2 kV
Rated impulse withstand voltage Uimp	4,000 V
Rated impulse withstand voltage Uimp IEC 60947-3	6,000 V
Max. operating voltage	440 V
Frequency	
Frequency	50 - 50 Hz
Capacity	
Number of modules	4
Compatibility	
Suitable for DIN Rail	Yes
Safety	
Residual current type	B
Ingress Protection (IP) class	IP20
Installation, mounting	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
Connection	
Cross-section of output with screws, for massive conductors	1 - 25 mm²
Cross-section of output with screws, for flexible conductors	1 - 16 mm²
Power	
Total power loss under IN	6.77 W
Use conditions	
Max. Altitude	2,000 m
Endurance	
Electric endurance in number of cycles	10,000
Number of mechanical operations	20,000
Connectivity	
Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
Dimensions	
Height	85 mm
Width	72 mm
Depth	70 mm