



CD480Z

RCCB 4P 80A 30mA AC Class

Technical Features

Architecture

Type of pole	4P
--------------	----

Electric current

Rated current	80 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	80 A
Rated current at -20°C	80 A
Rated current -15°C	80 A
Rated current -10°C	80 A
Rated current -5°C	80 A
Rated current at 0°C	80 A
Rated current 5°C	80 A
Rated current 10°C	80 A
Rated current 15°C	80 A
Rated current at 20°C	80 A
Rated current 25°C	80 A
Rated current 30°C	80 A
Rated current 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 55°C	80 A
Rated current 60°C	75 A
Rated current 65°C	71 A
Rated current 70°C	59 A

Installation, mounting

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

Voltage

Rated operational voltage U_e	240 - 415 V
Type voltage supply	AC
Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	4000 V
Max. operating voltage	415 V

Frequency

Frequency	50 - 50 Hz
-----------	------------

Capacity

Number of modules	4
-------------------	---

Safety

Residual current type	AC
Ingress Protection (IP) class	IP20

Installation, mounting

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

Connection

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 conductors	1 - 35 mm ²

Product Datasheet

CD480Z

Power	
Total power loss under IN	19.70 W
Use conditions	
Max. Altitude	2000 m
Endurance	
Electric endurance in number of cycles	2000
Number of mechanical operations	4000
Connectivity	
Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
Dimensions	
Height	86 mm
Width	70 mm
Depth	70 mm