Product Datasheet
CD485Z



CD485Z

RCCB 4P 100A 30mA AC Class

Technical Features

Architecture

Type of pole	3P+N
Number of poles	4

Electric current

Rated current IN	100 A
Rated residual operating current Idn	30 mA
Breaking and opening capacity Idm	1.50 kA
Rated conditional short-circuit current Inc according to EN61008-1	6 kA
Rated current at -25°C	100 A
Rated current at -20°C	100 A
Rated current at -15°C	100 A
Rated current at -10°C	100 A
Rated current at -5°C	100 A
Rated current at 0°C	100 A
Rated current at 5°C	100 A
Rated current at 10°C	100 A
Rated current at 15°C	100 A
Rated current at 20°C	100 A
Rated current at 25°C	100 A
Rated current at 30°C	100 A
Rated current at 35°C	100 A
Rated current at 40°C	100 A
Rated current at 45°C	99 A
Rated current at 50°C	94 A
Rated current at 55°C	90 A
Rated current at 60°C	83 A
Rated current at 65°C	72 A
Rated current at 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

Connectivity

Type of connection	Screw terminal

Voltage

Rated operational voltage Ue	240 - 415 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	415 V

Frequency

Frequency	50 - 50 Hz

Capacity

Number of modules	4

Compatibility

Suitable for DIN Rail	Yes

Safety

Residual current type	AC
Ingress Protection (IP) class	IP20

Installation, mounting

Type of top connection for modular devices	Screw terminal

Installation, mounting

Type of bottom connection for modular devices	Screw terminal
Nominal tightening torque	3.30 - 3.30 Nm

Connection

Cross-section of bottom terminal with screws, for rigid conductors	1 - 50 mm^2
Cross-section of bottom terminal with screws, for flexible conductors	1 - 35 mm^2
Cross-section flexible conductor	35 mm^2 max.
Cross-section rigid conductor	50 mm^2 max.
Cross-section of top and bottom terminal with screws, for flexible conductors	1 - 35 mm^2
Cross-section of top and bottom terminal with screws, for rigid conductors	1 - 50 mm^2

Power

Power dissipation at IN	30.20 W

Use conditions

Max. altitude	2000 m
Operating temperature	-25 - 40 °C

Endurance

Electric endurance in number of cycles	2000
Number of mechanical operations	4000

Connectivity

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

Sustainability

RoHS conform	Yes