CD485Z

RCCB 4P 100A 30mA AC Class

Technical Features

Architecture

Type of pole	3P+N

Electric current

Rated current	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 -25ºC	100 A
Rated current at -20ºC	100 A
Rated current -15ºC	100 A
Rated current -10ºC	100 A
Rated current -5ºC	100 A
Rated current at 0ºC	100 A
Rated current 5ºC	100 A
Rated current 10ºC	100 A
Rated current 15ºC	100 A
Rated current at 20ºC	100 A
Rated current 25ºC	100 A
Rated current 30ºC	100 A
Rated current 35ºC	100 A
Rated current at 40ºC	100 A
Rated current at 45ºC	99 A
Rated current at 50ºC	94 A
Rated current 55ºC	90 A
Rated current 60ºC	83 A
Rated current 65ºC	72 A
Rated current 70ºC	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 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
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 mm²
Cross-section of input and output with screws, for flexible conductors	1 - 35 mm²

Power

Total power loss under IN	30.20 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

Sustainability

RoHS conform	Yes