



CD441J

RCCB 4P 40A 30mA AC Class

Technical properties

Architecture

Neutral position	right
Number of poles	4 P
Fixing mode	DIN rail type O (symmetrical)

Functions

Concurrently switching N-neutral	Yes
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Configuration

Number of modules	4
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Main electrical features

Rated operational voltage U_e	230 / 400 V
Frequency	50 Hz

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V

Electric current

Rated residual operating current	30 mA
Rated current	40 A
Withstand not tripping on 8-20 μ s wave	0.25 kA
Breaking and opening capacity	1.5 kA
Rated conditional short-circuit current I_{nc} according to EN 61008-1	6 kA

Electric current / temperature

Rating current -25°C	40 A
Rating current -20°C	40 A
Rating current -15°C	40 A
Rating current -10°C	40 A
Rating current -5°C	40 A
Rating current 0°C	40 A
Rating current 5°C	40 A
Rating current 10°C	40 A
Rating current 15°C	40 A
Rating current 20°C	40 A
Rating current 25°C	40 A
Rating current 30°C	40 A

Rating current 35°C	40 A
Rating current 40°C	40 A
Rating current 45°C	40 A
Rating current 50°C	40 A
Rating current 55°C	40 A
Rating current 60°C	40 A
Rating current 65°C	40 A
Rating current 70°C	40 A

Dimensions

Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	70 mm
Construction size (DIN 43880)	1

Frequency

Frequency	50 Hz
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Power

Total power loss under IN	6.5 W
Power loss per pole at In	2.3 W

Tripping

Protected against nuisance tripping	No
Short-time delayed tripping	No

Endurance

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

Installation, mounting

Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallic
Type of Bottom Connection for modular devices	Blconnect
Top removability for modular devices	No
Bottom removability for modular devices	No

Connection

Connection cross-section at output with screw, for massive conductor	1 / 25 mm ²
Connection cross-sect. flexible conductor	16mm ²
Connection cross-sect. rigid cable	25mm ²
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 25 mm ²
Connection cross-section of the access with screws, with flexible conductor	1 / 16 mm ²
Connection cross section of access and exit with screws, for flexible conductor	1 / 16 mm ²

Type of connection

with screw

Standards

European directive WEEE

concerned

Safety

Protection index IP

IP20

Residual current type

AC

REACH conform

No

RoHS conform

Yes

Halogen free

No

Use conditions

Operating temperature

-25...40 °C

Degree of pollution according to IEC 60664 /
IEC 60947-2

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Altitude

2000 m

Storage/transport temperature

-55...70 °C