



CD241J

## RCCB 2P 40A 30mA AC Class

### Technical characteristics

#### Architecture

Neutral position	right
Number of poles	2 P
Type of pole	1P+N
Fixing mode	DIN rail type O (symmetrical)

#### Configuration

Number of modules	2
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#### Main electrical features

Rated operational voltage $U_e$	230 V
Type of supply voltage	AC
Frequency	50 Hz

#### Voltage

Rated insulation voltage	500 V
Max operating voltage	253 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 $\mu$ 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	38 A
Rating current 50°C	37 A
Rating current 55°C	34 A
Rating current 60°C	30 A
Rating current 65°C	26 A
Rating current 70°C	21 A

#### Dimensions

Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	35 mm
Construction size (DIN 43880)	1

#### Frequency

Frequency	50 Hz
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#### Power

Total power loss under IN	6.24 W
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#### Tripping

Short-time delayed tripping	No
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#### Endurance

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

#### Installation, mounting

Tightening torque	2,8Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallic

#### Connection

Connection cross-sect. flexible conductor	16mm <sup>2</sup>
Connection cross-sect. rigid cable	25mm <sup>2</sup>
Type of connection	with screw

#### Equipment

Type selective	No
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#### Standards

Standard text	IEC 61008-1 ; EN 61008-1
European directive WEEE	concerned

#### Safety

Protection index IP	IP20
Residual current type	AC

#### Use conditions

Operating temperature	-25...40 °C
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Subject to technical modifications

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Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage/transport temperature	-55...70 °C

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