



CD280F

RCCB 2P 80A 30mA AC

Product Datasheet

Architecture

Neutral position	left
Number of poles	2 P
Fixing mode	DIN rail type O (symmetrical)

Functions

Sealable	yes
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Controls and indicators

With fault indicator	yes
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Main electrical features

Frequency	50 Hz
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Electric current

Rated residual operating current	30 mA
Rated current	80 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 Inc according to EN 61008-1	6 kA

Electric current / temperature

Rating current -25°C	80 A
Rating current -20°C	80 A
Rating current -15°C	80 A
Rating current -10°C	80 A
Rating current -5°C	80 A
Rating current 0°C	80 A
Rating current 5°C	80 A
Rating current 10°C	80 A
Rating current 15°C	80 A
Rating current 20°C	80 A
Rating current 25°C	80 A
Rating current 30°C	80 A
Rating current 35°C	80 A
Rating current 40°C	80 A
Rating current 45°C	80 A
Rating current 50°C	80 A
Rating current 55°C	80 A
Rating current 60°C	74 A
Rating current 65°C	66 A
Rating current 70°C	56 A

Frequency

Frequency	50 Hz
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Power

Total power loss under IN	9,1 W
Power loss per pole at In	4,5 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

Dimensions

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

Installation, mounting

Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallic
Top removability for modular devices	no
Bottom removability for modular devices	no
360° product mounting position	yes

Connection

Type of connection	with screw
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Equipment

With interlocking device	yes
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Standards

Standard text	EN 61008-1
European directive WEEE	concerned

Safety

Protection index IP	IP20
Residual current type	AC

Use conditions

Operating temperature	-25...40 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage/transport temperature	-55...70 °C