



CH240J

**RCCB 2P 40A 30mA A high immunity class**

**Technical properties**

**Architecture**

Neutral position	right
Number of poles	2 P
Fixing mode	Din-Rail

**Configuration**

Number of modules	2
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**Main electrical features**

Rated operational voltage Ue	230 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 $\mu$ s wave	3 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	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
<b>Dimensions</b>	
Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	35 mm
Construction size (DIN 43880)	1
<b>Frequency</b>	
Frequency	50 Hz
<b>Power</b>	
Total power loss under IN	3.6 W
Power loss per pole at In	2.2 W
<b>Tripping</b>	
Protected against nuisance tripping	Yes
Short-time delayed tripping	Yes
<b>Endurance</b>	
Electric endurance in number of cycles	2000
Number of mechanical operations	4000
<b>Installation, mounting</b>	
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
<b>Connection</b>	
Connection cross-section at output with screw, for massive conductor	1 / 25 mm <sup>2</sup>
Connection cross-sect. flexible conductor	16mm <sup>2</sup>
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 25 mm <sup>2</sup>
Connection cross-section of the access with screws, with flexible conductor	1 / 16 mm <sup>2</sup>
Connection cross section of access and exit with screws, for flexible conductor	1 / 16 mm <sup>2</sup>
<b>Standards</b>	
European directive WEEE	concerned
<b>Safety</b>	

Protection index IP	IP20
Residual current type	A HI
<b>Use conditions</b>	
Operating temperature	-25...40 °C
Altitude	2000 m
Storage/transport temperature	-55...70 °C