

**RCCB 2P 40A 100mA AC S Class**

**Technical Features**

**Architecture**

Type of pole	1P+N
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**Electric current**

Rated current	40 A
Rated residual operating current I <sub>dn</sub>	100 mA
Breaking and opening capacity I <sub>dm</sub>	0.63 kA
Rated conditional short-circuit current I <sub>nc</sub> according to EN61008-1	10 kA
Rated current -25°C	40 A
Rated current at -20°C	40 A
Rated current -15°C	40 A
Rated current -10°C	40 A
Rated current -5°C	40 A
Rated current at 0°C	40 A
Rated current 5°C	40 A
Rated current 10°C	40 A
Rated current 15°C	40 A
Rated current at 20°C	40 A
Rated current 25°C	40 A
Rated current 30°C	40 A
Rated current 35°C	40 A
Rated current at 40°C	40 A
Rated current at 45°C	38 A
Rated current at 50°C	37 A
Rated current 55°C	34 A
Rated current 60°C	30 A
Rated current 65°C	26 A
Rated current 70°C	21 A

**Installation, mounting**

Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

**Voltage**

Rated operational voltage U <sub>e</sub>	230 - 230 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Max. operating voltage	253 V

**Frequency**

Frequency	50 - 50 Hz
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**Capacity**

Number of modules	2
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**Compatibility**

Suitable for DIN Rail	Yes
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**Safety**

Residual current type	AC SEL
Ingress Protection (IP) class	IP20

**Installation, mounting**

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
Nominal tightening torque	2.80 - 2.80 Nm

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**Connection**

Cross-section of input and output with screws, for massive conductors	1 - 25 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
Cross-section flexible conductor	16 mm <sup>2</sup>
Cross-section rigid conductor	25 mm <sup>2</sup>

**Power**

Total power loss under IN	3.20 W
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**Use conditions**

Max. Altitude	2000 m
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**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	83 mm
Width	35 mm
Depth	70 mm

**Sustainability**

RoHS conform	Yes
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