



CE481Z

### RCCB 4P 80A 100mA AC Class

#### Technical Features

##### Architecture

Type of pole	3P+N
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##### Electric current

Rated current	80 A
Rated residual operating current Idn	100 mA
Breaking and opening capacity Idm	1.50 kA
Rated conditional short-circuit current Irc according to EN61008-1	6 kA
Rated current -25°C	80 A
Rated current at -20°C	80 A
Rated current at -15°C	80 A
Rated current at -10°C	80 A
Rated current at -5°C	80 A
Rated current at 0°C	80 A
Rated current 5°C	80 A
Rated current 10°C	80 A
Rated current 15°C	80 A
Rated current at 20°C	80 A
Rated current 25°C	80 A
Rated current 30°C	80 A
Rated current 35°C	80 A
Rated current at 40°C	80 A
Rated current at 45°C	80 A
Rated current at 50°C	80 A
Rated current 55°C	80 A
Rated current 60°C	75 A
Rated current 65°C	71 A
Rated current 70°C	59 A

##### Installation, mounting

Nominal tightening torque top terminal	3.30 - 3.30 Nm
Nominal tightening torque down terminal	3.30 - 3.30 Nm

##### Voltage

Rated operational voltage Ue	230 - 400 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	440 V

##### Frequency

Frequency	50 - 50 Hz
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##### Capacity

Number of modules	4
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##### Safety

Residual current type	AC
Ingress Protection (IP) class	IP20

##### Installation, mounting

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal
Nominal tightening torque	3.30 - 3.30 Nm

##### Connection

Cross-section of input and output with screws, for massive conductors	1 - 50 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 35 mm <sup>2</sup>

<b>Power</b>	
Total power loss under IN	19.70 W
<b>Use conditions</b>	
Max. Altitude	2000 m
<b>Endurance</b>	
Electric endurance in number of cycles	2000
Number of mechanical operations	4000
<b>Connectivity</b>	
Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
<b>Dimensions</b>	
Height	86 mm
Width	70 mm
Depth	70 mm
<b>Sustainability</b>	
RoHS conform	Yes