



CF480G

### RCCB 4P 80A 300mA A Class

#### Technical Features

##### Architecture

Type of pole	4P
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##### Electric current

Rated current	80 A
Rated residual operating current $I_{dn}$	300 mA
Breaking and opening capacity $I_{dm}$	1.50 kA
Rated conditional short-circuit current $I_{nc}$ according to EN61008-1	6 kA
Rated current -25°C	80 A
Rated current at -20°C	80 A
Rated current -15°C	80 A
Rated current -10°C	80 A
Rated current -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

##### 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 $U_e$	230 - 400 V
Type voltage supply	AC
Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	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	A
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>

##### Power

Total power loss under $I_N$	19.70 W
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##### Use conditions

Max. Altitude	2000 m
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# Product Datasheet

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<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