



CFB640D

RCCB 3P+N 40A 300mA B+

Technical properties

Architecture

Type of pole	3P+N
--------------	------

Electric current

Rated current	40 A
Rated residual operating current I <sub>dn</sub>	300 mA
Breaking and opening capacity I <sub>dm</sub>	0.80 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	40 A
Rated current at 50°C	40 A
Rated current 55°C	40 A
Rated current 60°C	40 A
Rated current 65°C	40 A
Rated current 70°C	40 A

Main electrical attributes

Nominal tightening torque top terminal	3.60 - 3.60 Nm
Nominal tightening torque down terminal	3.60 - 3.60 Nm

Voltage

Rated operational voltage U <sub>e</sub>	230 - 400 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	400 V

Dielectric strength value of power frequency	2 kV
Rated impulse withstand voltage Uimp	4,000 V
Rated impulse withstand voltage Uimp IEC 60947-3	6,000 V
Max. operating voltage	440 V
<b>Frequency</b>	
Frequency	50 - 50 Hz
<b>Capacity</b>	
Number of modules	4
<b>Compatibility</b>	
Suitable for DIN Rail	Yes
<b>Safety</b>	
Residual current type	B+
Ingress Protection (IP) class	IP20
<b>Installation, mounting</b>	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
<b>Connection</b>	
Cross-section of output with screws, for massive conductors	1 - 25 mm <sup>2</sup>
Cross-section of output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
<b>Power</b>	
Total power loss under IN	6.77 W
<b>Use conditions</b>	
Max. Altitude	2,000 m
<b>Endurance</b>	
Electric endurance in number of cycles	10,000
Number of mechanical operations	20,000
<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	85 mm
Width	72 mm
Depth	70 mm