Product Datasheet
MC420A



MC420A

MCB 4P 6kA C-20A 4M

Technical Features

Electric current

Rated current	20 A
Rated current -15°C	23.90 A
Rated current -10°C	23.50 A
Rated current -5°C	23.10 A
Rated current at 0°C	22.70 A
Rated current 5°C	22.20 A
Rated current 10°C	21.80 A
Rated current 15°C	21.40 A
Rated current at 20°C	20.90 A
Rated current 25°C	20.50 A
Rated current 30°C	20 A
Rated current 35°C	19.50 A
Rated current at 40°C	19 A
Rated current at 45°C	18.50 A
Rated current at 50°C	18 A
Rated current 55°C	17.50 A
Rated current 60°C	16.90 A
Rated current 65°C	16.40 A
Rated current 70°C	15.90 A

Architecture

Type of pole	4P
Curve	C

Capacity

Number of modules	4

Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA

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 Ue	230 - 400 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 V

Frequency

Frequency	50 - 60 Hz

Connection

Cross-section of input and output with screws, for massive conductors	1 - 35 mm^2
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm^2
Cross-section of input with screws, for flexible conductors	1 - 25 mm^2
Cross-section of input with screws, for massive conductors	1 - 35 mm^2
Cross-section flexible conductor	1 - 25 mm^2
Cross-section rigid conductor	1 - 35 mm^2

Installation, mounting

Nominal tightening torque	2.80 - 2.80 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

Safety	
Ingress Protection (IP) class	IP20
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I^2t	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C
Power	
Total power loss under IN	11.60 W
Connectivity	
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
Type of connection	Screw terminal
Dimensions	
Height	83 mm
Width	70 mm
Depth	70 mm
Sustainability	
RoHS conform	Yes