Product Datasheet
MSN320



MSN320

MCB 3P 6kA C-20A 3M

Technical Features

Electric current	
Rated current IN	20 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	10 kA
Rated current at -15°C	24.4 A
Rated current at -10°C	24 A
Rated current at -5°C	23.5 A
Rated current at 0°C	23.1 A
Rated current at 5°C	22.6 A
Rated current at 10°C	22.1 A
Rated current at 15°C	21.6 A
Rated current at 20°C	21.1 A
Rated current at 25°C	20.5 A
Rated current at 30°C	20 A
Rated current at 35°C	19.4 A
Rated current at 40°C	18.7 A
Rated current at 45°C	18 A
Rated current at 50°C	17.3 A
Rated current at 55°C	16.6 A
Rated current at 60°C	15.8 A
Rated current at 65°C	15 A
Rated current at 70°C	14.1 A
Rated short-circuit breaking capacity Icn under 400 V AC according to IEC 60898-1	6 kA
Architecture	
Type of pole	3P
Curve	C
Capacity	
Number of modules	3
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
Voltage	
Rated operational voltage Ue	230 - 400 V
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 - 25 mm^2
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm^2
Installation, mounting	
Nominal tightening torque	2.80 - 2.80 Nm
360° mounting position possible	Yes
Safety	
Ingress Protection (IP) class	IP20
Grid distance	60 mm
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	
Power dissipation at IN	8.90 W

Connectivity	
Top connection alignment for modular devices	Aligned terminal
Type of connection	Screw terminal

Dimensions	
Height	83 mm
Width	52.50 mm
Depth	70 mm