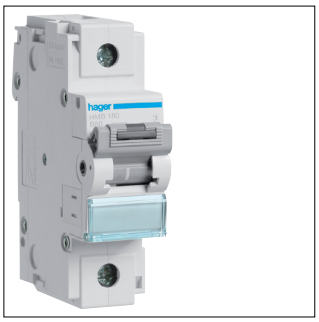
Product Datasheet
HMB180



HMB180

MCB 1P 15kA B-80A 1.5M

Technical Features

Electric current	
Rated current IN	80 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	15 kA
Rated ultimate short-circuit breaking capacity Icu AC IEC 60947-2	15 kA
Rated current at -15°C	109.25 A
Rated current at -10°C	106 A
Rated current at -5°C	102.75 A
Rated current at 0°C	99.5 A
Rated current at 5°C	96.25 A
Rated current at 10°C	93 A
Rated current at 15°C	89.75 A
Rated current at 20°C	86.5 A
Rated current at 25°C	83.25 A
Rated current at 30°C	80 A
Rated current at 35°C	77.55 A
Rated current at 40°C	75.1 A
Rated current at 45°C	72.65 A
Rated current at 50°C	70.2 A
Rated current at 55°C	67.75 A
Rated current at 60°C	65.3 A
Rated current at 65°C	62.85 A
Rated current at 70°C	60.4 A
Architecture	
Type of pole	1P
Electric current	
Rated service breaking capacity Ics AC according to IEC 60947-2	50 %
Rated service breaking capacity Ics AC according to IEC 60898-1	7.50 kA
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	15 kA
Architecture	
Curve	B
Capacity	
Number of modules	1.50
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	15 kA
Installation, mounting	
Nominal tightening torque top terminal	3.60 - 3.60 Nm
Nominal tightening torque down terminal	3.60 - 3.60 Nm
Nominal tightening torque	3.5 - 5.0 Nm
Voltage	
Rated operational voltage Ue	240 - 415 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	6000 V
Frequency	
Frequency	50 - 60 Hz
Connection	
Cross-section of input and output with screws, for massive conductors	1 - 70 mm^2
Cross-section of input and output with screws, for flexible conductors	1 - 50 mm^2
Cross-section of input with screws, for flexible conductors	1 - 50 mm^2
Cross-section of input with screws, for massive conductors	1 - 70 mm^2

Connection	
Cross-section flexible conductor	50 mm²
Cross-section rigid conductor	70 mm²
Installation, mounting	
Type of bottom connection for modular devices	Screw terminal
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes
Safety	
Ingress Protection (IP) class	IP20
Grid distance	110 mm
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Class of energy limitation I²t	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C
Power	
Power dissipation at IN	6.18 W
Connectivity	
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
Dimensions	
Height	90 mm
Width	27 mm
Depth	70 mm
Sustainability	
REACh-SVHC free	Yes
RoHS conform	Yes