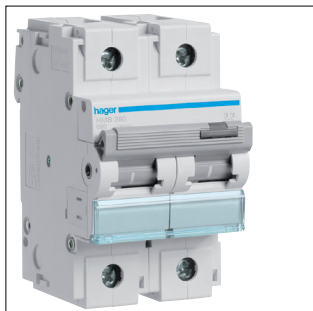




HMB280

MCB 2P 15kA B-80A 3M

Technical Features

Electric current

Rated current I_N	80 A
Rated short-circuit breaking capacity I_{cn} under 230 V AC according to IEC 60898-1	30 kA
Rated ultimate short-circuit breaking capacity I_{cu} AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 400 V AC IEC 60947-2	15 kA
Rated current at -15°C	109 A
Rated current at -10°C	106 A
Rated current at -5°C	102 A
Rated current at 0°C	99.20 A
Rated current at 5°C	96 A
Rated current at 10°C	92.80 A
Rated current at 15°C	89.60 A
Rated current at 20°C	86.40 A
Rated current at 25°C	83.20 A
Rated current at 30°C	80 A
Rated current at 35°C	77.60 A
Rated current at 40°C	75.10 A
Rated current at 45°C	72.60 A
Rated current at 50°C	70 A
Rated current at 55°C	67.20 A
Rated current at 60°C	64.30 A

Architecture

Type of pole	2P
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Electric current

Rated service breaking capacity I_{cs} AC according to IEC 60947-2	50 %
Rated service breaking capacity I_{cs} AC according to IEC 60898-1	7.5 kA

Architecture

Curve	B
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Capacity

Number of modules	3
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Main electrical attributes

Rated short-circuit breaking capacity I_{cn} AC according to IEC 60898-1	15 kA
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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 U_e	415 - 415 V
Type voltage supply	AC
Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	6000 V

Frequency

Frequency	50 - 60 Hz
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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
Cross-section flexible conductor	50 mm ²
Cross-section rigid conductor	70 mm ²

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
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C

Power

Power dissipation at IN	11.98 W
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Connectivity

Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

Dimensions

Height	90 mm
Width	53 mm
Depth	70 mm

Sustainability

RoHS conform	Yes
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Illustrations | Drawings

