



HMD280T

MCB 2P 15kA D-80A 3M

Technical properties

Architecture

Type of pole	2P
Curve	D

Voltage

Rated operational voltage Ue	400 - 415 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	6000 V

Frequency

Frequency	50 - 60 Hz
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Installation, mounting

Nominal tightening torque	3,5 - 5,0 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal

Electric current

Rated current	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 under 230 V AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	15 kA
Rated current at -20°C	112 A
Rated current -15°C	109 A
Rated current -10°C	106 A
Rated current -5°C	102 A
Rated current at 0°C	99,20 A
Rated current 5°C	96 A
Rated current 10°C	92,80 A
Rated current 15°C	89,60 A
Rated current at 20°C	86,40 A
Rated current 25°C	83,20 A
Rated current 30°C	80 A
Rated current 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 55°C	67,20 A
Rated current 60°C	64,30 A
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	15 kA
Nominal tightening torque down terminal	3,60 - 3,60 Nm
Nominal tightening torque top terminal	3,60 - 3,60 Nm
Power	
Total power loss under IN	11,98 W
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
Connection	
Cross-section of input and output with screws, for massive conductors	1 - 70 mm²
Cross-section of input and output with screws, for flexible conductors	1 - 50 mm²
Cross-section flexible conductor	50 mm²
Cross-section rigid conductor	70 mm²
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C
Capacity	
Number of modules	3
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