



HMD190T

MCB 1P 15kA D-100A 1.5M

Technical properties

Architecture

Type of pole	1P
Curve	D

Voltage

Rated operational voltage Ue	230 - 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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Electric current

Rated current	100 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 current at 0°C	124 A
Rated current 5°C	120 A
Rated current 10°C	116 A
Rated current 15°C	112 A
Rated current at 20°C	108 A
Rated current 25°C	104 A
Rated current 30°C	100 A
Rated current 35°C	96,60 A
Rated current at 40°C	93,10 A
Rated current at 45°C	89,40 A
Rated current at 50°C	85,60 A
Rated current 55°C	81,60 A
Rated current 60°C	77,50 A

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
Nominal tightening torque down terminal	3,60 - 3,60 Nm
Nominal tightening torque top terminal	3,60 - 3,60 Nm

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1	15 kA
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Power

Total power loss under I _N	6,48 W
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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 mm ²
Cross-section of input and output with screws, for flexible conductors	1 - 50 mm ²
Cross-section flexible conductor	50 mm ²
Cross-section rigid conductor	70 mm ²

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	1,50
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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	27 mm
Depth	70 mm