



HMF190T

MCB 1P 10kA C-100A 1.5M

Technical characteristics

Architecture

Type of pole	1P
Curve	C

Voltage

Rated operational voltage Ue	230 - 415 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	6,000 V

Frequency

Frequency	50 - 60 Hz
-----------	------------

Electric current

Rated current	100 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2	10 kA

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 Icn AC according to IEC 60898-1	10 kA
---	-------

Power

Total power loss under IN	6.48 W
---------------------------	--------

Endurance

Electric endurance in number of cycles	4,000
Number of mechanical operations	20,000

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
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