



HMF290T

MCB 2P 10kA C-100A 3M

Technical properties

Architecture

Type of pole	2P
Curve	C

Voltage

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

Frequency

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

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	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
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	10 kA

Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	10 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	16,33 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 mm ²
---	------------------------

Cross-section of input and output with screws, for flexible conductors	1 - 50 mm ²
--	------------------------

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
--	---

Air humidity protection	For all climates
-------------------------	------------------

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
-------	-------