



HMF190T

MCB 1P 10kA C-100A 1.5M

Technical properties

Architecture

Type of pole	1P
Curve	C

Voltage

Rated operational voltage Ue	240 - 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	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

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	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
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Cross-section of input and output with
screws, for flexible conductors

1 - 50 mm²

Use conditions

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

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Air humidity protection

For all climates

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