



HMF390T

MCB 3P 10kA C-100A 4.5M

Technical properties

Architecture

Type of pole	3P
Curve	C

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	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	21,66 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	4,50
Connectivity	
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
Dimensions	
Height	90 mm
Width	80 mm
Depth	70 mm