



HMF499

MCB 4P 10kA C-125A 6M

Technical Features

Architecture

Type of pole	4P
Curve	C

Voltage

Rated operational voltage U_e	400 - 415 V
Type voltage supply	AC
Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	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	125 A
Rated short-circuit breaking capacity I_{cn} under 230 V AC according to IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 230 V AC IEC 60947-2	10 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 400 V AC IEC 60947-2	10 kA

Main electrical attributes

Rated short-circuit breaking capacity I_{cn} AC according to IEC 60898-1	10 kA
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Installation, mounting

Nominal tightening torque down terminal	3.60 - 3.60 Nm
Nominal tightening torque top terminal	3.60 - 3.60 Nm

Safety

Ingress Protection (IP) class	IP20
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Power

Total power loss under I_N	42.25 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	6
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Connectivity

Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

Product Datasheet

HMF499T

Dimensions		
Height		90 mm
Width		106 mm
Depth		70 mm
Sustainability		
REACH-SVHC free		Yes
RoHS conform		Yes