



HMF499

**MCB 4P 10kA C-125A 6M**

**Technical Features**

**Architecture**

Type of pole	4P
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
-----------	------------

**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 lcn under 230 V AC according to IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity lcu under 230 V AC IEC 60947-2	10 kA
Rated ultimate short-circuit breaking capacity lcu under 400 V AC IEC 60947-2	10 kA

**Main electrical attributes**

Rated short-circuit breaking capacity lcn AC according to IEC 60898-1	10 kA
---	-------

**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
-------------------------------	------

**Power**

Total power loss under IN	42.25 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 <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 50 mm <sup>2</sup>
Cross-section flexible conductor	50 mm <sup>2</sup>
Cross-section rigid conductor	70 mm <sup>2</sup>

**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
-------------------	---

**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