



HMF280T

**MCB 2P 10kA C-80A 3M**

**Technical properties**

**Architecture**

Type of pole	2P
Curve	C

**Voltage**

Rated operational voltage $U_e$	415 - 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	80 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
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 $I_N$	11,98 W
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**Endurance**

Electric endurance in number of cycles	4000
Number of mechanical operations	20000

**Connection**

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Cross-section of input and output with screws, for massive conductors	1 - 70 mm <sup>2</sup>
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Cross-section of input and output with screws, for flexible conductors	1 - 50 mm <sup>2</sup>
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**Use conditions**

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Degree of pollution according to IEC 60664 / IEC 60947-2	3
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Air humidity protection	For all climates
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**Capacity**

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Number of modules	3
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**Connectivity**

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

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Height	90 mm
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Width	53 mm
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Depth	70 mm
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