



MSN140R

**MCB 1P 6kA C-40A 1M**

**Technical Features**

**Electric current**

Rated current	40 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	51.25 A
Rated current -10°C	50.19 A
Rated current -5°C	49.18 A
Rated current at 0°C	48.14 A
Rated current 5°C	47.10 A
Rated current 10°C	46.07 A
Rated current 15°C	45.03 A
Rated current at 20°C	43.99 A
Rated current 25°C	42.95 A
Rated current 30°C	41.92 A
Rated current 35°C	40.88 A
Rated current at 40°C	40 A
Rated current at 45°C	38.80 A
Rated current at 50°C	37.63 A
Rated current 55°C	36.73 A
Rated current 60°C	35.69 A
Rated current 65°C	34.65 A
Rated current 70°C	33.62 A

**Architecture**

Type of pole	1P
Curve	C

**Capacity**

Number of modules	1
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**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 kA
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**Installation, mounting**

Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

**Voltage**

Rated operational voltage U <sub>e</sub>	240 - 415 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V

**Frequency**

Frequency	50 - 60 Hz
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**Connection**

Cross-section of input and output with screws, for massive conductors	1 - 35 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for flexible conductors	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 35 mm <sup>2</sup>
Cross-section flexible conductor	1 - 25 mm <sup>2</sup>
Cross-section rigid conductor	1 - 35 mm <sup>2</sup>

**Installation, mounting**

Nominal tightening torque	2.80 - 2.80 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

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**Safety**

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Ingress Protection (IP) class	IP20
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**Use conditions**

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Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I <sup>2</sup> t	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C

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**Power**

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Total power loss under IN	4.80 W
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**Connectivity**

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Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

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**Dimensions**

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Height	83 mm
Width	17.50 mm
Depth	70 mm

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**Sustainability**

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RoHS conform	Yes
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