



MT340A

**MCB 3P 6kA B-40A 3M**

**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 ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2	6 kA
Rated current -15°C	48.70 A
Rated current -10°C	47.80 A
Rated current -5°C	46.90 A
Rated current at 0°C	46 A
Rated current 5°C	45 A
Rated current 10°C	44.10 A
Rated current 15°C	43.10 A
Rated current at 20°C	42.10 A
Rated current 25°C	41.10 A
Rated current 30°C	40 A
Rated current 35°C	38.90 A
Rated current at 40°C	37.80 A
Rated current at 45°C	36.60 A
Rated current at 50°C	35.40 A
Rated current 55°C	34.20 A
Rated current 60°C	32.90 A
Rated current 65°C	31.80 A
Rated current 70°C	30.60 A

**Architecture**

Type of pole	3P
Curve	B

**Capacity**

Number of modules	3
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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>	400 - 400 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**

Ingress Protection (IP) class	IP20
Grid distance	60 mm

**Use conditions**

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

**Power**

Total power loss under IN	18.70 W
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**Connectivity**

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

**Dimensions**

Height	83 mm
Width	52.50 mm
Depth	70 mm

**Sustainability**

RoHS conform	Yes
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