



MT350A

## MCB 3P 6kA B-50A 3M

### Technical Features

#### Electric current

Rated current	50 A
Rated current -15°C	61.70 A
Rated current -10°C	60.50 A
Rated current -5°C	59.30 A
Rated current at 0°C	58 A
Rated current 5°C	56.80 A
Rated current 10°C	55.50 A
Rated current 15°C	54.20 A
Rated current at 20°C	52.80 A
Rated current 25°C	51.40 A
Rated current 30°C	50 A
Rated current 35°C	48.50 A
Rated current at 40°C	47 A
Rated current at 45°C	45.50 A
Rated current at 50°C	43.80 A
Rated current 55°C	42.10 A
Rated current 60°C	40.40 A
Rated current 65°C	38.90 A
Rated current 70°C	37.20 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 Icn 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 Ue	230 - 400 V
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	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

#### Safety

Ingress Protection (IP) class	IP20
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<b>Use conditions</b>	
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation $I^2t$	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C
<b>Power</b>	
Total power loss under IN	14.80 W
<b>Connectivity</b>	
Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
<b>Dimensions</b>	
Height	83 mm
Width	52.50 mm
Depth	70 mm
<b>Sustainability</b>	
RoHS conform	Yes