



NT150C

MCB 1P 10kA C-50A 1M

Technical Features

Electric current

Rated current	50 A
Rated short-circuit breaking capacity I _{cn} under 230 V AC according to IEC 60898-1	10 kA
Rated current -15°C	62.30 A
Rated current -10°C	61.10 A
Rated current -5°C	59.90 A
Rated current at 0°C	58.70 A
Rated current 5°C	57.40 A
Rated current 10°C	56.10 A
Rated current 15°C	54.70 A
Rated current at 20°C	53.40 A
Rated current 25°C	52 A
Rated current 30°C	50 A
Rated current 35°C	48.80 A
Rated current at 40°C	47.70 A
Rated current at 45°C	46.50 A
Rated current at 50°C	45.30 A
Rated current 55°C	44.10 A
Rated current 60°C	43 A
Rated current 65°C	41.80 A
Rated current 70°C	40.60 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 _{cn} AC according to IEC 60898-1	10 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 _e	240 - 415 V
Type voltage supply	AC
Rated insulation voltage U _i	500 V
Rated impulse withstand voltage U _{imp}	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 ²
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm ²
Cross-section of input with screws, for flexible conductors	1 - 25 mm ²
Cross-section of input with screws, for massive conductors	1 - 35 mm ²

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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Safety

Grid distance	60 mm
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Use conditions

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

Total power loss under IN	5.20 W
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Connectivity

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

Height	83 mm
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Width	17.50 mm
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Depth	70 mm
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Sustainability

RoHS conform	Yes
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