



NCN250A

MCB 2P 10kA C-50A 2M

Technical Features

Electric current

Rated current I_N	50 A
Rated service breaking capacity I_{cs} under 230 V AC according to IEC 60947-2	15 kA
Rated short-circuit breaking capacity I_{cn} under 230 V AC according to IEC 60898-1	20 kA
Rated ultimate short-circuit breaking capacity I_{cu} AC IEC 60947-2	15 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 400 V AC IEC 60947-2	15 kA
Rated current at -15°C	62.79 A
Rated current at -10°C	61.37 A
Rated current at -5°C	59.95 A
Rated current at 0°C	58.53 A
Rated current at 5°C	57.11 A
Rated current at 10°C	55.69 A
Rated current at 15°C	54.26 A
Rated current at 20°C	52.84 A
Rated current at 25°C	51.42 A
Rated current at 30°C	50 A
Rated current at 35°C	49.24 A
Rated current at 40°C	48.48 A
Rated current at 45°C	47.72 A
Rated current at 50°C	46.96 A
Rated current at 55°C	46.2 A
Rated current at 60°C	45.44 A
Rated current at 65°C	44.68 A
Rated current at 70°C	43.92 A
Rated short-circuit breaking capacity I_{cn} under 400 V AC according to IEC 60898-1	10 kA

Architecture

Type of pole	2P
--------------	----

Electric current

Rated service breaking capacity I_{cs} AC according to IEC 60947-2	50 %
Rated service breaking capacity I_{cs} AC according to IEC 60898-1	7.50 kA
Rated ultimate short-circuit breaking capacity I_{cu} under 230 V AC IEC 60947-2	30 kA

Architecture

Curve	C
-------	---

Capacity

Number of modules	2
-------------------	---

Main electrical attributes

Rated short-circuit breaking capacity I_{cn} AC according to IEC 60898-1	10 kA
--	-------

Installation, mounting

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

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
-----------	------------

Connection

Cross-section of input and output with screws, for massive conductors	1 - 35 mm ²
---	------------------------

Connection

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

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
Grid distance	60 mm

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I ² t	3
Operating temperature	-25 - 70 °C

Power

Power dissipation at IN	10.60 W
-------------------------	---------

Connectivity

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

Dimensions

Height	83 mm
Width	35 mm
Depth	70 mm