



NCN306A

MCB 3P 10kA C-6A 3M

Technical Features

Electric current

Rated current I_N	6 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	7.36 A
Rated current at -10°C	7.21 A
Rated current at -5°C	7.06 A
Rated current at 0°C	6.91 A
Rated current at 5°C	6.76 A
Rated current at 10°C	6.61 A
Rated current at 15°C	6.45 A
Rated current at 20°C	6.3 A
Rated current at 25°C	6.15 A
Rated current at 30°C	6 A
Rated current at 35°C	5.8 A
Rated current at 40°C	5.6 A
Rated current at 45°C	5.39 A
Rated current at 50°C	5.19 A
Rated current at 55°C	4.99 A
Rated current at 60°C	4.79 A
Rated current at 65°C	4.58 A
Rated current at 70°C	4.38 A
Rated short-circuit breaking capacity I_{cn} under 400 V AC according to IEC 60898-1	10 kA

Architecture

Type of pole	3P
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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
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Capacity

Number of modules	3
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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
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
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Connection

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

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