



NCN404

MCB 4P 10kA C-4A 4M

Technical properties

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| A | r C | ۲ì | T E | ₽. | | u | ге |

| Neutral position | without neutral |
|---|------------------|
| Number of protected poles | 4 |
| Number of poles | 4 P |
| Curve | С |
| Functions | |
| Concurrently switching N-neutral | No |
| Configuration | |
| Number of modules | 4 |
| Connectivity | |
| Top connection alignement for modular devices | Aligned terminal |
| Bottom connection alignement for modular devices | Aligned terminal |
| Main electrical features | |
| Rated short circuit breaking capacity Icn AC according IEC60898-1 | 10 kA |
| Rated operational voltage Ue | 415 V |
| Type of supply voltage | AC |
| Voltage | |
| Rated insulation voltage | 500 V |
| Max operating voltage | 440 V |
| Rated impulse withstand voltage | 6000 V |
| Minimum threshold voltage (Ue min) | 12 V |
| Electric current | |
| Rated current | 4 A |
| Rated service breaking capacity Ics AC according IEC 60898-1 | 7.5 kA |
| min/maxi threshold value of the AC thermal operation | 1.13 / 1.45 ln |
| Magnetic regulating currrent | 5 / 10 ln |
| min/maxi threshold value of the DC magnetic operation | 7 / 15 ln |
| min/maxi threshold value of the DC thermal operation | 1.13 / 1.45 ln |
| Rating current -10°C according to IEC 60947 | 5.13 A |

| Rating current 0°C according to IEC 60947 Rating current 10°C according to IEC 60947 Rating current 10°C according to IEC 60947 Rating current 15°C according to IEC 60947 Rating current 20°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 35°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 5°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated with the surface according to IEC 60947 Rated 400°C according to IEC 60947 Rated 400°C according to IEC 60947 Rated 400°C according IEC 609 | Rating current -15°C according to IEC 60947 | 5.21 A |
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| S. 37 A | | 5.29 A |
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| city Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Electric current / temperature Rating current -25°C 4.88 A Rating current -10°C 4.65 A Rating current -10°C 4.55 A Rating current -5°C 4.58 A Rating current 0°C 4.58 A Rating current 0°C 4.54 A | Rated short circuit breaking capacity lcn | 10 kA |
| city Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 15 kA Electric current / temperature Rating current -25°C 4.88 A Rating current -10°C 4.55 A Rating current -5°C 4.58 A Rating current 0°C 4.58 A Rating current 0°C 4.42 A | <u> </u> | 30 kA |
| city Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Electric current / temperature Rating current -25°C 4.88 A Rating current -15°C 4.73 A Rating current -10°C 4.65 A Rating current -5°C 4.58 A Rating current 0°C 4.58 A Rating current 5°C 4.42 A | | 30 kA |
| city Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Belectric current / temperature Rating current -25°C Rating current -15°C Rating current -5°C Rating current 0°C A.5 A Rating current 5°C A.42 A Rating current 5°C A.42 A | | 15 kA |
| under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Electric current / temperature Rating current -25°C 4.88 A Rating current -20°C 4.73 A Rating current -10°C 4.58 A Rating current -5°C 4.58 A Rating current 0°C 4.42 A | | 15 kA |
| under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Electric current / temperature Rating current -25°C 4.88 A Rating current -10°C 4.65 A Rating current -5°C 4.58 A Rating current 0°C 4.42 A | 9 , , | 10 kA |
| city Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 15 kA Electric current / temperature Rating current -25°C 4.88 A Rating current -15°C 4.73 A Rating current -10°C 4.55 A Rating current -5°C 4.58 A Rating current 5°C 4.42 A | 9 , , | 10 kA |
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| Rating current -25°C 4.88 A Rating current -20°C 4.8 A Rating current -15°C 4.73 A Rating current -10°C 4.65 A Rating current -5°C 4.58 A Rating current 0°C 4.54 A Rating current 5°C 4.42 A | - · · · · · · · · · · · · · · · · · · · | 15 kA |
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| Rating current -10°C 4.65 A Rating current -5°C 4.58 A Rating current 0°C 4.5 A Rating current 5°C 4.42 A | Rating current -20°C | 4.8 A |
| Rating current -5°C 4.58 A Rating current 0°C 4.5 A Rating current 5°C 4.42 A | Rating current -15°C | 4.73 A |
| Rating current 0°C 4.5 A Rating current 5°C 4.42 A | Rating current -10°C | 4.65 A |
| Rating current 5°C 4.42 A | Rating current -5°C | 4.58 A |
| Rating current 5°C 4.42 A | Rating current 0°C | 4.5 A |
| | | |
| | | 4.34 A |

| Rating current 25°C | 4.09 A |
|---|-------------|
| Rating current 30°C | 4 A |
| Rating current 35°C | 3.9 A |
| Rating current 40°C | 3.79 A |
| Rating current 45°C | 3.69 A |
| Rating current 50°C | 3.58 A |
| Rating current 55°C | 3.46 A |
| Rating current 60°C | 3.34 A |
| Rating current 65°C | 3.22 A |
| Rating current 70°C | 3.1 A |
| Current correction factors | |
| Correction factor of rating current for 2 devices placed side-by-side | 1 |
| Correction factor of rating current for 3 devices placed side-by-side | 0.95 |
| Correction factor of rating current for 4 and 5 devices placed side-by-side | 0.9 |
| Correction factor of rating current for 6 devices placed side-by-side | 0.85 |
| Correction factor of magnetic tripping with 100 Hz | 1.1 |
| Correction factor of magnetic tripping with 200 Hz | 1.2 |
| Correction factor of magnetic tripping with 400 Hz | 1.5 |
| Correction factor of magnetic tripping with 60 Hz | 1.1 |
| Dimensions | |
| Depth of installed product | 70 mm |
| Height of installed product | 83 mm |
| Width of installed product | 70 mm |
| Frequency | |
| Frequency | 50 to 60 Hz |
| Power | |
| Maximum power loss per pole according to the product standard | 3 W |
| Total power loss under IN | 10.9 W |
| Power loss per pole at In | 2.77 W |
| Endurance | |
| Electric endurance in number of cycles | 4000 |
| Number of mechanical operations | 20000 |
| Installation, mounting | |
| Type of top connection for modular devices | with screw |
| Tightening torque | 2,8Nm |
| Type of top rail clip for modular devices | NA |
| Type of bottom rail clip for modular devices | plastic |

| Type of Bottom Connection for modular devices | Blconnect |
|--|------------|
| Top removability for modular devices | Yes |
| Bottom removability for modular devices | Yes |
| Suitable for flush-mounting | Yes |
| Connection | |
| Connection cross-section at output with screw, for flexible conductor | 1 / 25 mm² |
| Connection cross-section at output with screw, for massive conductor | 1 / 35 mm² |
| Connection cross-section for rigid conductor, upstream terminals with screws | 1 / 35 mm² |
| Connection cross-section of the access with screws, with flexible conductor | 1 / 25 mm² |
| Downstream cage clamp delivery status | closed |
| Upstream cage clamp delivery status | opened |
| Equipment | |
| Can be accessorized | Yes |
| Standards | |
| Standard text | EN 60898-1 |
| Safety | |
| Protection index IP | IP20 |
| Use conditions | |
| Operating temperature | -2570 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Class of energy limitation I ² t | 3 |
| Altitude | 2000 m |
| Storage/transport temperature | -2580 °C |
| temperatur | |
| Temperature of calibration | 30 °C |