



MCB 1P 10kA C-6A 1M

Similar image
(Picture shows NT110C)

Architecture

| | |
|---------------------------|-------------------------------|
| Number of protected poles | 1 |
| Number of poles | 1 P |
| Type of pole | 1 P |
| Fixing mode | DIN rail type O (symmetrical) |
| Curve | C |

Functions

| | |
|----------------------------------|----|
| Concurrently switching N-neutral | no |
|----------------------------------|----|

Connectivity

| | |
|---|------------------|
| Top connection alignment for modular devices | Aligned terminal |
| Bottom connection alignment for modular devices | Aligned terminal |

Main electrical features

| | |
|--|-------------|
| Rated short circuit breaking capacity I_{cn} AC according IEC60898-1 | 10 kA |
| Rated operational voltage U_e | 240 / 415 V |
| Type of supply voltage | AC |
| Frequency | 50/60 Hz |

Voltage

| | |
|---------------------------------|--------|
| Rated insulation voltage | 500 V |
| Rated impulse withstand voltage | 4000 V |

Electric current

| | |
|--|-------------------|
| Rated current | 6 A |
| Rated service breaking capacity I_{cs} AC according IEC 60898-1 | 7,5 kA |
| min/maxi threshold value of the AC thermal operation | 1,13 / 1,45 I_n |
| Magnetic regulating current | 5 / 10 I_n |
| Rated short circuit breaking capacity I_{cn} under 230V AC according IEC60898-1 | 10 kA |
| Rated short circuit breaking capacity I_{cn} under 240V AC according IEC 60898-1 | 10 kA |

Technical Properties

| | |
|---|--------|
| Rated service breaking capacity Ics under 230V AC according IEC 60898-1 | 7,5 kA |
| Rated service breaking capacity Ics under 240V AC according IEC 60898-1 | 7,5 kA |

Electric current / temperature

| | |
|----------------------|-------|
| Rating current -25°C | 7,2 A |
| Rating current -20°C | 7,1 A |
| Rating current -15°C | 7 A |
| Rating current -10°C | 6,9 A |
| Rating current -5°C | 6,8 A |
| Rating current 0°C | 6,7 A |
| Rating current 5°C | 6,6 A |
| Rating current 10°C | 6,5 A |
| Rating current 15°C | 6,3 A |
| Rating current 20°C | 6,2 A |
| Rating current 25°C | 6,1 A |
| Rating current 30°C | 6 A |
| Rating current 35°C | 5,9 A |
| Rating current 40°C | 5,8 A |
| Rating current 45°C | 5,6 A |
| Rating current 50°C | 5,5 A |
| Rating current 55°C | 5,4 A |
| Rating current 60°C | 5,2 A |
| Rating current 65°C | 5,1 A |
| Rating current 70°C | 5 A |

Current correction factors

| | |
|---|------|
| Correction factor of rating current for 2 devices placed 1 side-by-side | |
| Correction factor of rating current for 3 devices placed 0,95 side-by-side | |
| 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 |

Frequency

| | |
|-----------|-------------|
| Frequency | 50 to 60 Hz |
|-----------|-------------|

Power

| | |
|---------------------------|-------|
| Total power loss under IN | 1,3 W |
| Power loss per pole at In | 1,3 W |

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 4000 |
| Number of mechanical operations | 20000 |

Dimensions

| | |
|-----------------------------|---------|
| Depth of installed product | 70 mm |
| Height of installed product | 83 mm |
| Width of installed product | 17,5 mm |

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 | metallic isolated |
| Type of Bottom Connection for modular devices | Blconnect |
| Top removability for modular devices | no |
| Bottom removability for modular devices | no |
| 360° product mounting position | yes |

Connection

| | |
|--|------------------------|
| Connection cross-section of input and output with screws, for massive conductors | 1 / 35 mm ² |
| Connection cross section of access and exit with screws, for flexible conductor | 1 / 25 mm ² |
| Type of connection | with screw |

Standards

| | |
|---------------|-----------------------------|
| Standard text | IEC 60898-1, AS/NZS 60898-1 |
|---------------|-----------------------------|

Safety

| | |
|---------------------|------|
| Protection index IP | IP20 |
|---------------------|------|

Use conditions

| | |
|--|------------------|
| Operating temperature | -25 70 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Class of energy limitation I ² t | 3 |
| Altitude | 2000 m |
| Air humidity protection | for all climates |
| Storage/transport temperature | -25 80 °C |