



NRN250



MCB 2P 15kA C-50A 2M

Technical characteristics

Architecture

| | |
|---------------------------|-----------------|
| Neutral position | without neutral |
| Number of protected poles | 2 |
| Number of poles | 2 P |
| Type of pole | 2 P |
| Curve | C |

Functions

| | |
|----------------------------------|----|
| Concurrently switching N-neutral | No |
|----------------------------------|----|

Configuration

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

Connectivity

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

Main electrical features

| | |
|------------------------------|----------|
| Rated operational voltage Ue | 415 V |
| Type of supply voltage | AC |
| Frequency | 50/60 Hz |

Voltage

| | |
|------------------------------------|--------|
| Rated insulation voltage | 500 V |
| Rated impulse withstand voltage | 6000 V |
| Minimum threshold voltage (Ue min) | 12 V |

Electric current

| | |
|---|----------------|
| Rated current | 50 A |
| min/maxi threshold value of the AC thermal operation | 1.13 / 1.45 In |
| Magnetic regulating current | 5 / 10 In |
| min/maxi threshold value of the DC magnetic operation | 5 / 15 In |
| min/maxi threshold value of the DC thermal operation | 1.13 / 1.45 In |
| Breaking capacity on 1 pole for IT 400V NF 60947-2 | 3 kA |

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 |

Dimensions

| | |
|-----------------------------|-------|
| Depth of installed product | 70 mm |
| Height of installed product | 83 mm |
| Width of installed product | 35 mm |

Frequency

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

Power

| | |
|---------------------------|--------|
| Total power loss under IN | 10.6 W |
| Power loss per pole at In | 5.65 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 |

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 |

Equipment

| | |
|---------------------------------------|-----|
| With transparent product label holder | Yes |
|---------------------------------------|-----|

Standards

| | |
|---------------|-------------|
| Standard text | IEC 60947-2 |
|---------------|-------------|

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 |