



NFT732

MCB 1P+N 6/10kA C-32A 1M

Technical Features

Architecture

| | |
|--------------|------|
| Type of pole | 1P+N |
| Curve | C |

Electric current

| | |
|---|---------------|
| Rated current | 32 A |
| Rated service breaking capacity Ics AC according to IEC 60898-1 | 6 kA |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2 | 6 kA |
| Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 | 6 kA |
| Min./max. threshold value of the AC thermal operation | 1.13 - 1.45 A |
| Min./max. threshold value of the DC thermal operation | 0 - 0 A |
| Rated current -25°C | 38.15 A |
| Rated current at -20°C | 37.63 A |
| Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2 | 10 kA |
| Rated current -15°C | 37.11 A |
| Rated current -10°C | 36.58 A |
| Rated current -5°C | 36.04 A |
| Rated current at 0°C | 35.49 A |
| Rated current 5°C | 34.94 A |
| Rated current 10°C | 34.37 A |
| Rated current 15°C | 33.80 A |
| Rated current at 20°C | 33.21 A |
| Rated current 25°C | 32.61 A |
| Rated current 30°C | 32 A |
| Rated current 35°C | 31.57 A |
| Rated current at 40°C | 31.14 A |
| Rated current at 45°C | 30.70 A |
| Rated current at 50°C | 30.25 A |
| Rated current 55°C | 29.80 A |
| Rated current 60°C | 29.34 A |
| Correction factor of rating current for 2 devices placed side by side | 0.95 |
| 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 | 0.90 |
| Correction factor of rating current for 6 devices placed side by side | 0.85 |

Main electrical attributes

| | |
|---|------|
| Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 | 6 kA |
|---|------|

Voltage

| | |
|--------------------------------------|-------------|
| Rated operational voltage Ue | 230 - 240 V |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 500 V |
| Rated impulse withstand voltage Uimp | 4000 V |
| Max. operating voltage | 253 V |

Frequency

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

Capacity

| | |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

Installation, mounting

| | |
|---|----------------|
| Type of top connection for modular devices | Screw terminal |
| Type of bottom connection for modular devices | Screw terminal |
| Nominal tightening torque | 1.90 - 1.90 Nm |

Power

| | |
|---------------------------|--------|
| Total power loss under IN | 5.50 W |
|---------------------------|--------|

Use conditions

| | |
|-----------------------|-------------|
| Operating temperature | -25 - 60 °C |
| Max. Altitude | 2000 m |

Endurance

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

Safety

| | |
|-------------------------------|-------|
| Ingress Protection (IP) class | IP20 |
| Grid distance | 60 mm |

Connectivity

| | |
|---|------------------|
| Type of connection | Screw terminal |
| Top connection alignment for modular devices | Shifted terminal |
| Down connection alignment for modular devices | Shifted terminal |

Dimensions

| | |
|--------|----------|
| Height | 84.70 mm |
| Width | 17.70 mm |
| Depth | 70 mm |

Sustainability

| | |
|--------------|-----|
| RoHS conform | Yes |
|--------------|-----|

Illustrations | Drawings

