HND400U

**Moulded Case Circuit Breaker h400 3P 50kA 400A TM**

## Technical characteristics

### Architecture

| | |
|---|---|
| Type of order | Toggle |
| Number of poles | 3 P |
| Type of pole | 3 P |

### Functions

| | |
|---|---|
| Complete device with protection unit | Yes |
| Trip Unit | TM A/A |
| Integrated earth fault protection | No |

### Configuration

| | |
|---|---|
| Number of modules | 8 |

### Main electrical features

| | |
|---|---|
| Rated operational voltage Ue | 220 / 690 V |
| Frequency | 50/60 |

### Voltage

| | |
|---|---|
| Rated insulation voltage | 800 V |
| Rated impulse withstand voltage | 8 kV |
| With under voltage release | No |

### Electric current

| | |
|---|---|
| Rated current | 400 A |
| Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2 | 20 kA |
| Thermal protection nob setting xIN | 0.63 / 0.8 / 1 |
| Breaking capacity on 1 pole for IT 230V NF 60947-2 | 51 kA |
| Breaking capacity on 1 pole for IT 400V NF 60947-2 | 9 kA |
| Rated service breaking capacity Ics AC according IEC 60947-2 | 100 % |
| Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 | 85 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 85 kA |
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 50 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 50 kA |
| Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2 | 45 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 | 1 |
| Correction factor of rating current for 4 and 5 devices placed side-by-side | 1 |
| Correction factor of rating current for 6 devices placed side-by-side | 1 |

| Power | |
|---|---|
| Total power loss under IN | 75 W |
| Power loss per pole at In | 25 W |

| Tripping | |
|---|---|
| Tripmode | TM |
| Thermal protection trip time | 0 ms |
| Time of response when opening | 10 ms |

| Electrical specifications | |
|---|---|
| Magnetic trip delay time | 0 ms |

| Endurance | |
|---|---|
| Electric endurance in number of cycles | 1000 |
| Number of mechanical operations | 4000 |

| Installation, mounting | |
|---|---|
| DIN rail mounting with optional adaptator | No |

| Connection | |
|---|---|
| Connection cross-sect. flexible conductor | 35 / 240mm² |
| Connection cross-sect. rigid cable | 35 / 240mm² |
| Connection | Front connection |
| Type of connection | Terminal |

| Settings | |
|---|---|
| Range of the magnetic adjustment | 2400 / 2800 / 3200 / 3600 / 4000 / 4400 / 4800 A |
| Magnetic protection nob setting xIN | 6 / 8 / 10 / 12 |
| Setting type In or Ith | IN |

| Equipment | |
|---|---|
| Number of auxiliary contacts as normally closed contact | 0 |
| Number of auxiliary contacts as normally open contact | 0 |
| Number of auxiliary contacts as change-over contact | 0 |
| Motor drive optional | Yes |

| Use cases | |
|---|---|
| Category of use | A |

**Standards**

| | |
|---|---|
| Standard text | IEC 60947-2 |
| European directive WEEE | concerned |

**Safety**

| | |
|---|---|
| Protection index IP | IP4X |

**Use conditions**

| | |
|---|---|
| Operating temperature | -25...70 °C |
| Altitude | 2000 m |
| Air humidity protection | for all climates |
| Storage/transport temperature | -35...70 °C |

**Identification**

| | |
|---|---|
| meta_keyword | automatic power;automatic power;automatic power switch;automatic power switches;MCCB;closed type;closed type;400 A;h400 |