

**MCCB h400 3P 50kA 400A TM**

Product Datasheet

**Architecture**

|                 |        |
|-----------------|--------|
| Type of order   | Toggle |
| Number of poles | 3 P    |
| Type of pole    | 3P3D   |

**Functions**

|                                      |        |
|--------------------------------------|--------|
| Complete device with protection unit | yes    |
| Trip Unit                            | TM A/A |
| Integrated earth fault protection    | no     |

**Compatibility**

|                                   |    |
|-----------------------------------|----|
| Compatible with DIN rail mounting | no |
|-----------------------------------|----|

**Main electrical features**

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

**Voltage**

|                                 |        |
|---------------------------------|--------|
| Rated insulation voltage        | 800 V  |
| Rated impulse withstand voltage | 8000 V |
| With under voltage release      | no     |

**Electric current**

|  |            |
|--|------------|
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 50 kA      |
| Rated service breaking capacity Ics AC according IEC 60947-2                 | 100 %      |
| Breaking capacity on 1 pole with 230 V NF 60947-2                            | 51 kA      |
| Breaking capacity on 1 pole with 400 V NF 60947-2                            | 9 kA       |
| 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 415V AC IEC 60947-2 | 50 kA      |
| Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2 | 45 kA      |
| 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 |

**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**

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

**Tripping**

|                               |       |
|-------------------------------|-------|
| Tripmode                      | TM    |
| Time of response when opening | 10 ms |

**Endurance**

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

**Installation, mounting**

|   |      |
|---|------|
| Tightening torque                       | 22Nm |
| DIN rail mounting with optional adaptor | no   |

**Connection**

|   |                         |
|---|-------------------------|
| Connection cross-sect. rigid cable        | 35 / 240mm <sup>2</sup> |
| Connection cross-sect. flexible conductor | 35 / 240mm <sup>2</sup> |
| Connection                                | Front connection        |
| Type of connection                        | Terminal                |

**Settings**

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

**Equipment**

|                      |     |
|----------------------|-----|
| 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**

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|                         |                  |
|-------------------------|------------------|
| Altitude                | 2000 m           |
| Storage temperature     | -35 to 70 °C     |
| Air humidity protection | for all climates |

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