



HHB250Z

**Moulded Case Circuit Breaker X250 3P 25kA 250A TM**

**Technical properties**

**Architecture**

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

**Functions**

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

**Main electrical features**

|                              |             |
|------------------------------|-------------|
| Rated operational voltage Ue | 220 / 415 V |
| Frequency                    | 50/60 Hz    |

**Voltage**

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

**Electric current**

|  |       |
|--|-------|
| Rated current  | 250 A |
| Breaking capacity on 1 pole for IT 400V NF 60947-2                           | 9 kA  |
| Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 | 35 kA |
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 25 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 | 48 W |
| Power loss per pole at In | 16 W |

| <b>Tripping</b>   |                         |
|---|-------------------------|
| Tripmode  | TM                      |
| Time of response when opening                           | 10 ms                   |
| <b>Endurance</b>  |                         |
| Electric endurance in number of cycles                  | 1000                    |
| Number of mechanical operations                         | 4000                    |
| <b>Installation, mounting</b>                           |                         |
| DIN rail mounting with optional adaptor                 | Yes                     |
| <b>Connection</b>                                       |                         |
| Connection cross-sect. flexible conductor               | 35 / 150mm <sup>2</sup> |
| Connection cross-sect. rigid cable                      | 35 / 185mm <sup>2</sup> |
| Connection  | Front connection        |
| Type of connection                                      | Terminal                |
| <b>Settings</b>   |                         |
| Range of the magnetic adjustment                        | 2750 A                  |
| <b>Equipment</b>  |                         |
| 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                     |
| <b>Use cases</b>  |                         |
| Category of use   | A                       |
| <b>Standards</b>  |                         |
| Standard text   | IEC 60947-2             |
| <b>Safety</b>   |                         |
| REACH conform   | Yes                     |
| RoHS conform  | Yes                     |
| Halogen free  | No                      |
| <b>Use conditions</b>                                   |                         |
| Operating temperature                                   | -25...70 °C             |
| Altitude  | 2000 m                  |
| Air humidity protection                                 | for all climates        |
| Storage/transport temperature                           | -35...70 °C             |