



HHB160Z

MCCB X250 3P 25kA 160A TM

Technische Merkmale

Architecture

| | |
|-----------------|----------------|
| Type of order | Toggle |
| Type of case | Fixed built-in |
| 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 |

Compatibility

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

Controls and indicators

| | |
|------------------------|----|
| Motor drive integrated | no |
|------------------------|----|

Main electrical features

| | |
|------------------------------|-----------|
| Frequency | 50/60 Hz |
| Rated operational voltage Ue | 220/415 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 | 25 kA |
| Rated service breaking capacity Ics AC according IEC 60947-2 | 80 % |
| Breaking capacity on 1 pole with 230 V NF 60947-2 | 21 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 | 35 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 35 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 440V AC IEC 60947-2 | 15 kA |
| Rated ultimate short-circuit breaking capacity Icu under 690V AC IEC 60947-2 | 2 kA |
| Thermal protection nob setting xIN | 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 | 10,9 W |
| Total power loss under IN | 32,6 W |

Tripping

| | |
|-------------------------------|-------|
| Trip mode | 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 | 12Nm |
| DIN rail mounting with optional adaptor | yes |

Connection

| | |
|---|-------------------------|
| Connection cross-sect. rigid cable | 35 / 185mm ² |
| Connection cross-sect. flexible conductor | 35 / 150mm ² |
| Connection | Front connection |
| Type of connection | Terminal |

Settings

| | |
|-------------------------------------|--------|
| Magnetic protection nob setting xIN | 10 |
| Setting type In or Ith | IN |
| Range of the magnetic adjustment | 2080 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

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

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