



HDA038Z

Moulded Case Circuit Breaker h3 x160 TM FIX 1P1D 40A 18kA CTC

Technical characteristics

Architecture

| | |
|---------------------------|-----------------|
| Neutral position | without neutral |
| Number of protected poles | 1 |
| Number of poles | 1 P |
| Type of pole | 1P1D |

Functions

| | |
|-----------------------------------|--------|
| Trip Unit | TM F/F |
| Integrated earth fault protection | No |
| Concurrently switching N-neutral | No |

Controls and indicators

| | |
|------------------------|----|
| Motor drive integrated | No |
|------------------------|----|

Main electrical features

| | |
|------------------------------|-------------|
| Rated operational voltage Ue | 220 / 240 V |
| Frequency | 50/60 Hz |

Voltage

| | |
|---------------------------------|-------|
| Rated insulation voltage | 690 V |
| Rated impulse withstand voltage | 8 kV |
| With under voltage release | No |

Electric current

| | |
|--------------------------------------------|--------|
| Rated current | 40 A |
| Thermal protection nob setting xIN | 1 |
| Rating current 10°C according to IEC 60947 | 50.1 A |
| Rating current 15°C according to IEC 60947 | 49 A |
| Rating current 20°C according to IEC 60947 | 47.8 A |
| Rating current 25°C according to IEC 60947 | 46.6 A |
| Rating current 30°C according to IEC 60947 | 45.3 A |
| Rating current 35°C according to IEC 60947 | 44 A |
| Rating current 40°C according to IEC 60947 | 42.7 A |
| Rating current 45°C according to IEC 60947 | 41.4 A |
| Rating current 50°C according to IEC 60947 | 40 A |
| Rating current 55°C according to IEC 60947 | 38.5 A |
| Rating current 60°C according to IEC 60947 | 37 A |
| Rating current 65°C according to IEC 60947 | 35.4 A |
| Rating current 70°C according to IEC 60947 | 33.7 A |

| | |
|------------------------------------------------------------------------------|-------------|
| Breaking capacity on 1 pole for IT 230V NF 60947-2 | 18 kA |
| Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 | 18 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 18 kA |
| Range of the thermal adjustment | 40 A |
| Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 | 18 kA |
| Dimensions | |
| Depth of installed product | 68 mm |
| Height of installed product | 130 mm |
| Width of installed product | 25 mm |
| Frequency | |
| Frequency | 50 to 60 Hz |
| Power | |
| Total power loss under IN | 3.7 W |
| Power loss per pole at In | 3.7 W |
| Endurance | |
| Electric endurance in number of cycles | 1000 |
| Number of mechanical operations | 4000 |
| Connection | |
| Type of connection | with screw |
| Settings | |
| Range of the magnetic adjustment | 600 A |
| 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 |
| Can be accessorized | Yes |
| Standards | |
| Standard text | IEC 60947-2 |
| Safety | |
| REACH conform | Yes |
| RoHS conform | Yes |
| Halogen free | No |
| Use conditions | |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3 |
| Altitude | 2000 m |

