



HDA125U

Moulded Case Circuit Breaker h3 x160 TM ADJ 3P3D 125A 18kA CTC

Technical characteristics

Architecture

| | |
|---------------------------|-----------------|
| Type of order | Toggle |
| Neutral position | without neutral |
| Number of protected poles | 3 |
| Number of poles | 3 P |
| Type of pole | 3P3D |
| Type of case | Fixed built-in |

Functions

| | |
|--------------------------------------|--------|
| Complete device with protection unit | Yes |
| Trip Unit | TM A/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 / 415 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 | 125 A |
| Thermal protection nob setting xIN | 0.63 / 0.8 / 1 |
| Rating current 10°C according to IEC 60947 | 151.4 A |
| Rating current 15°C according to IEC 60947 | 148.4 A |
| Rating current 20°C according to IEC 60947 | 145.3 A |
| Rating current 25°C according to IEC 60947 | 142.1 A |
| Rating current 30°C according to IEC 60947 | 138.8 A |
| Rating current 35°C according to IEC 60947 | 135.5 A |
| Rating current 40°C according to IEC 60947 | 132.1 A |
| Rating current 45°C according to IEC 60947 | 128.6 A |
| Rating current 50°C according to IEC 60947 | 125 A |
| Rating current 55°C according to IEC 60947 | 121.2 A |

| | |
|--|------------------|
| Rating current 60°C according to IEC 60947 | 117.4 A |
| Rating current 65°C according to IEC 60947 | 113.4 A |
| Rating current 70°C according to IEC 60947 | 109.3 A |
| Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 | 18 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 | 18 kA |
| Range of the thermal adjustment | 80 / 100 / 125 A |
| Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 | 18 kA |

Dimensions

| | |
|-----------------------------|--------|
| Depth of installed product | 68 mm |
| Height of installed product | 130 mm |
| Width of installed product | 75 mm |

Frequency

| | |
|-----------|-------------|
| Frequency | 50 to 60 Hz |
|-----------|-------------|

Power

| | |
|--------------------------------|--------|
| Power loss per pole at 0.63*In | 4.5 W |
| Power loss per pole at 0.8*In | 7 W |
| Total power loss at 0.63*In | 13.5 W |
| Total power loss at 0.8*In | 21.1 W |
| Total power loss under IN | 33 W |
| Power loss per pole at In | 11 W |

Endurance

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

Installation, mounting

| | |
|---|----|
| DIN rail mounting with optional adaptor | No |
|---|----|

Connection

| | |
|--------------------|------------------|
| Connection | Front connection |
| Type of connection | with screw |

Settings

| | |
|----------------------------------|--------|
| Range of the magnetic adjustment | 1500 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 |
| Motor drive optional | No |

Can be accessorized

Yes

Standards

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

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 |

temperatur

| | |
|----------------------------|-------|
| Temperature of calibration | 50 °C |
|----------------------------|-------|