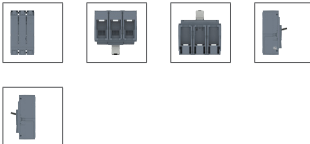




HNW400JR



Moulded Case Circuit Breaker h3+ P630 LSI 3P3D 400A 40kA FTC

Technical Features

Electric current

| | |
|---|-------|
| Rated current | 400 A |
| Rated ultimate short-circuit breaking capacity I _{cu} under 230 V AC IEC 60947-2 | 70 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2 | 70 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2 | 40 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 415 V AC IEC 60947-2 | 40 kA |
| Breaking capacity on 1-pole for AC 230 V IEC 60947-2 | 10 kA |
| Breaking capacity on 1-pole for AC 400 V IEC 60947-2 | 10 kA |

Architecture

| | |
|---------------------------|-----------------|
| Number of poles | 3 |
| Control/operation element | Toggle |
| Device construction type | Fixed built-in |
| Neutral position | Without neutral |

Tripping

| | |
|----------------------------|-------|
| Response time when opening | 10 ms |
|----------------------------|-------|

Electric current

| | |
|---|-------|
| Rated ultimate short-circuit breaking capacity I _{cu} under 690 V AC IEC 60947-2 | 7 kA |
| Rated service breaking capacity I _{cs} under 220 V AC according to IEC 60947-2 | 70 kA |
| Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2 | 70 kA |
| Rated service breaking capacity I _{cs} under 240 V AC according to IEC 60947-2 | 70 kA |
| Rated service breaking capacity I _{cs} under 380 V AC according to IEC 60947-2 | 40 kA |
| Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2 | 40 kA |
| Rated service breaking capacity I _{cs} under 415 V AC according to IEC 60947-2 | 40 kA |
| Rated service breaking capacity I _{cs} under 690 V AC according to IEC 60947-2 | 7 kA |
| Rated current 10°C according to IEC 60947 | 400 A |
| Rated current 15°C according to IEC 60947 | 400 A |
| Rated current 20°C according to IEC 60947 | 400 A |
| Rated current 25°C according to IEC 60947 | 400 A |
| Rated current 30°C according to IEC 60947 | 400 A |
| Rated current at 35°C according to IEC 60947 | 400 A |
| Rated current at 40°C according to IEC 60947 | 400 A |
| Rated current 45°C according to IEC 60947 | 400 A |
| Rated current 50°C according to IEC 60947 | 400 A |
| Rated current 55°C according to IEC 60947 | 400 A |
| Rated current at 60°C according to IEC 60947 | 400 A |
| Rated current 70°C according to IEC 60947 | 400 A |
| Rated current 65°C according to IEC 60947 | 400 A |

Settings

| | |
|---|------------------|
| I _{r1} current dial setting | 160 A |
| | 180 A |
| | 200 A |
| | 225 A |
| | 250 A |
| | 300 A |
| | 350 A |
| | 370 A |
| | 400 A |
| | 400 A |
| Adjustment range short-term delayed short-circuit release | 218.4 - 4000.0 A |

Frequency

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

Installation, mounting

| | |
|-------------------------------|------------|
| Nominal tightening torque | 18 - 18 Nm |
| Mounting-/Connection Position | Front |

| | |
|--|--|
| Voltage | |
| Rated impulse withstand voltage U _{imp} | 8000 V |
| Rated insulation voltage U _i | 800 V |
| Rated operational voltage U _e | 220 - 690 V |
| Functions | |
| Trip unit | LSI |
| Power | |
| Total power loss under I _N | 57.8 W |
| Power loss per pole at I _n | 19.3 W |
| Equipment | |
| Number of auxiliary contacts as change-over contact | 0 |
| Number of auxiliary contacts as normally closed contact | 0 |
| Number of auxiliary contacts as normally open contact | 0 |
| Safety | |
| Ingress Protection (IP) class | IP4X |
| Use conditions | |
| Operating temperature | -25 - 70 °C |
| Connection | |
| Connector/plug type | Terminal |
| Cable | |
| Cable material | Copper |
| Use conditions | |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3 |
| Dimensions | |
| Height | 260 mm |
| Width | 140 mm |
| Depth | 150 mm |
| Controls and indicators | |
| Motor drive integrated | No |
| Compatibility | |
| Suitable for DIN Rail | No |
| Compatible with RDC AOB | Yes |
| Suitable for distribution board | Yes |
| Power supply | |
| Position power supply | Bidirectional |
| Electrical protection | |
| Long-time overload protection (ltd): delay (tr) | 0.5 s 1.5 s 2.5 s 5 s 7.5 s 9 s 10 s 12 s 14 s 16 s |
| Short-time protection (std): current (Isd) | 1.5 2 3 4 5 6 7 8 10 |

Electrical protection

| | |
|--|--------|
| Short-time protection (std): delay (tsd) | 50 ms |
| | 100 ms |
| | 200 ms |
| | 300 ms |
| | 400 ms |

| | |
|---|----|
| Instantaneous protection (li): dial setting coefficient | 3 |
| | 4 |
| | 5 |
| | 6 |
| | 7 |
| | 8 |
| | 10 |
| | 11 |
| | 12 |

Sustainability

| | |
|--------------|-----|
| RoHS conform | Yes |
|--------------|-----|
