



HNW401NR

Moulded Case Circuit Breaker h3+ P630 Energy 4P4D N0-50-100% 400A 40kA FTC

Technical Features

Electric current

| | |
|---------------|-------|
| Rated current | 400 A |
|---------------|-------|

Architecture

| | |
|---------------------------|----------------|
| Number of poles | 4 |
| Control/operation element | Toggle |
| Device construction type | Fixed built-in |
| Neutral position | Left |

Electric current

| | |
|---|-------|
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 40 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 70 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2 | 40 kA |
| Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2 | 7 kA |
| Rated service breaking capacity Ics under 220 V AC according to IEC 60947-2 | 70 kA |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2 | 70 kA |
| Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2 | 70 kA |
| Rated service breaking capacity Ics under 380 V AC according to IEC 60947-2 | 40 kA |
| Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2 | 40 kA |
| Rated service breaking capacity Ics under 415 V AC according to IEC 60947-2 | 40 kA |
| Rated service breaking capacity Ics 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 65°C according to IEC 60947 | 396 A |
| Rated current 70°C according to IEC 60947 | 360 A |

Frequency

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

Voltage

| | |
|--------------------------------------|-------------|
| Rated impulse withstand voltage Uimp | 8000 V |
| Rated insulation voltage Ui | 800 V |
| Rated operational voltage Ue | 220 - 690 V |

Power

| | |
|---------------------------|--------|
| Total power loss under IN | 57.8 W |
|---------------------------|--------|

Functions

| | |
|-----------|--------|
| Trip unit | ENERGY |
|-----------|--------|

Safety

| | |
|-------------------------------|------|
| Ingress Protection (IP) class | IP4X |
|-------------------------------|------|

Installation, mounting

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

Cable

| | |
|----------------|--------|
| Cable material | Copper |
|----------------|--------|

Compatibility

| | |
|---------------------------------|-----|
| Compatible with RDC AOB | Yes |
| Suitable for DIN Rail | No |
| Suitable for distribution board | Yes |

Dimensions

| | |
|--------|--------|
| Height | 260 mm |
| Width | 185 mm |
| Depth | 150 mm |

Settings

| | |
|---|------------------|
| Adjustment range short-term delayed short-circuit release | 218.4 - 4000.0 A |
|---|------------------|

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 |
| | | 2.5 |
| 3 | | |
| 3.5 | | |
| 4 | | |
| 4.5 | | |
| 5 | | |
| 5.5 | | |
| 6 | | |
| Short-time protection (std): delay (tsd) | 50 ms | |
| | 100 ms | |
| | 200 ms | |
| | 300 ms | |
| | 400 ms | |
| Instantaneous protection (li): dial setting coefficient | 3 | |
| | 3.5 | |
| | 4 | |
| | 4.5 | |
| | 5 | |
| | 5.5 | |
| | 6 | |
| | 6.5 | |
| | 7 | |
| | 7.5 | |
| | 8 | |
| | 8.5 | |
| 9 | | |
| 9.5 | | |
| 10 | | |
| 10.5 | | |
| 11 | | |
| 11.5 | | |
| 12 | | |

Sustainability

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