



HHS041NC

Moulded Case Circuit Breaker h3+ P160 Energy 4P4D N0-50-100% 40A 25kA CTC

Technical Features

Electric current

| | |
|---------------|------|
| Rated current | 40 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 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 35 kA |
| Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2 | 25 kA |
| Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2 | 6 kA |
| Rated service breaking capacity Ics under 220 V AC according to IEC 60947-2 | 35 kA |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2 | 35 kA |
| Rated service breaking capacity Ics under 240 V AC according to IEC 60947-2 | 35 kA |
| Rated service breaking capacity Ics under 380 V AC according to IEC 60947-2 | 25 kA |
| Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2 | 25 kA |
| Rated service breaking capacity Ics under 415 V AC according to IEC 60947-2 | 25 kA |
| Rated service breaking capacity Ics under 690 V AC according to IEC 60947-2 | 6 kA |
| Rated current 10°C according to IEC 60947 | 40 A |
| Rated current 15°C according to IEC 60947 | 40 A |
| Rated current 20°C according to IEC 60947 | 40 A |
| Rated current 25°C according to IEC 60947 | 40 A |
| Rated current 30°C according to IEC 60947 | 40 A |
| Rated current at 35°C according to IEC 60947 | 40 A |
| Rated current at 40°C according to IEC 60947 | 40 A |
| Rated current 45°C according to IEC 60947 | 40 A |
| Rated current 50°C according to IEC 60947 | 40 A |
| Rated current 55°C according to IEC 60947 | 40 A |
| Rated current at 60°C according to IEC 60947 | 40 A |
| Rated current 65°C according to IEC 60947 | 40 A |
| Rated current 70°C according to IEC 60947 | 40 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 | 1.68 W |
|---------------------------|--------|

Functions

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

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations | 40000 |

Safety

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

Installation, mounting

| | |
|-------------------------------|----------|
| Nominal tightening torque | 6 - 6 Nm |
| Mounting-/Connection Position | Front |

Product Datasheet

HHS041NC

Connection

| | |
|----------------------------------|------------------------|
| Cross-section flexible conductor | 6 - 70 mm ² |
| Cross-section rigid conductor | 6 - 95 mm ² |

Cover, door

| | |
|---------------|-----|
| Interlockable | Yes |
|---------------|-----|

Cable

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

Compatibility

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

Dimensions

| | |
|--------|--------|
| Height | 130 mm |
| Width | 120 mm |
| Depth | 97 mm |

Connectivity

| | |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

Settings

| | |
|---|------------|
| Adjustment range short-term delayed short-circuit release | 24 - 400 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 |
| | 6.5 |
| | 7 |
| | 7.5 |
| | 8 |
| | 8.5 |
| | 9 |
| | 9.5 |
| | 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 |
| | 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 |
| | 12.5 |
| | 13 |
| | 13.5 |
| | 14 |
| | 14.5 |
| | 15 |