



HEJ630GR

### Moulded Case Circuit Breaker h3 x630 LSNI 3P3D 630A 70kA FTC

#### Technical Features

##### Electric current

|                                                                               |        |
|-------------------------------------------------------------------------------|--------|
| Rated current                                                                 | 630 A  |
| Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2 | 100 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 100 kA |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 70 kA  |
| Rated ultimate short-circuit breaking capacity Icu under 415 V AC IEC 60947-2 | 70 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 service breaking capacity Ics under 230 V AC according to IEC 60947-2 | 100 kA |
| Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2 | 70 kA  |
| Rated current 10°C according to IEC 60947                                   | 630 A  |
| Rated current 15°C according to IEC 60947                                   | 630 A  |
| Rated current 20°C according to IEC 60947                                   | 630 A  |
| Rated current 25°C according to IEC 60947                                   | 630 A  |
| Rated current 30°C according to IEC 60947                                   | 630 A  |
| Rated current at 35°C according to IEC 60947                                | 630 A  |
| Rated current at 40°C according to IEC 60947                                | 630 A  |
| Rated current 45°C according to IEC 60947                                   | 630 A  |
| Rated current 50°C according to IEC 60947                                   | 630 A  |
| Rated current 55°C according to IEC 60947                                   | 630 A  |
| Rated current at 60°C according to IEC 60947                                | 622 A  |
| Rated current 65°C according to IEC 60947                                   | 570 A  |
| Rated current 70°C according to IEC 60947                                   | 510 A  |

##### Settings

|                                                           |              |
|-----------------------------------------------------------|--------------|
| Ir1 current dial setting                                  | 250 A        |
|                                                           | 300 A        |
|                                                           | 350 A        |
|                                                           | 370 A        |
|                                                           | 400 A        |
|                                                           | 500 A        |
|                                                           | 600 A        |
|                                                           | 630 A        |
| Adjustment range short-term delayed short-circuit release | 375 - 6300 A |

##### Frequency

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

##### Installation, mounting

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

##### Voltage

|                                      |             |
|--------------------------------------|-------------|
| Rated impulse withstand voltage Uimp | 8000 V      |
| Rated insulation voltage Ui          | 800 V       |
| Rated operational voltage Ue         | 220 - 415 V |

##### Functions

|           |      |
|-----------|------|
| Trip unit | LSNI |
|-----------|------|

#### Power

|                                       |        |
|---------------------------------------|--------|
| Total power loss under I <sub>N</sub> | 119 W  |
| Power loss per pole at I <sub>N</sub> | 39.6 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<br>Aluminium |
|----------------|---------------------|

#### 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)         | 5 s                                          |
| Short-time protection (std): current (Isd)              | 1.5<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>10 |
| Short-time protection (std): delay (tsd)                | 100 ms                                       |
| Instantaneous protection (li): dial setting coefficient | 1                                            |

#### Sustainability

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