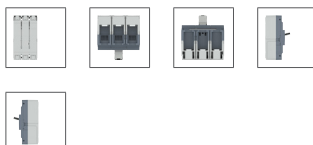




HNJ630DE



### Moulded Case Circuit Breaker h3 x630 TM ADJ 3P3D 630A 40kA FTC

#### Technical Features

##### Electric current

|                                                                                           |          |
|-------------------------------------------------------------------------------------------|----------|
| Rated current                                                                             | 630 A    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2 | 40 kA    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2 | 70 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2   | 70 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2   | 40 kA    |
| Rated current 10°C according to IEC 60947                                                 | 687.30 A |
| Rated current 15°C according to IEC 60947                                                 | 673.40 A |
| Rated current 20°C according to IEC 60947                                                 | 659.20 A |
| Rated current 25°C according to IEC 60947                                                 | 644.80 A |
| Rated current 30°C according to IEC 60947                                                 | 630 A    |
| Rated current at 35°C according to IEC 60947                                              | 614.90 A |
| Rated current at 40°C according to IEC 60947                                              | 599.30 A |
| Rated current 45°C according to IEC 60947                                                 | 583.40 A |
| Rated current 50°C according to IEC 60947                                                 | 567 A    |
| Rated current 55°C according to IEC 60947                                                 | 550.10 A |
| Rated current at 60°C according to IEC 60947                                              | 532.70 A |
| Rated current 65°C according to IEC 60947                                                 | 514.70 A |
| Rated current 70°C according to IEC 60947                                                 | 496.10 A |

##### 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 |
|----------------------------|-------|

##### Frequency

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

##### Voltage

|                                                  |             |
|--------------------------------------------------|-------------|
| Rated impulse withstand voltage U <sub>imp</sub> | 8000 V      |
| Rated insulation voltage U <sub>i</sub>          | 800 V       |
| Rated operational voltage U <sub>e</sub>         | 220 - 415 V |

##### Functions

|           |        |
|-----------|--------|
| Trip unit | TM A/A |
|-----------|--------|

##### Power

|                                       |         |
|---------------------------------------|---------|
| Total power loss under I <sub>N</sub> | 145.2 W |
|---------------------------------------|---------|

##### Safety

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

##### Settings

|                                                 |                  |
|-------------------------------------------------|------------------|
| Thermal protection knob setting xI <sub>N</sub> | 0.63<br>0.8<br>1 |
|-------------------------------------------------|------------------|

##### Cable

|                |                     |
|----------------|---------------------|
| Cable material | Copper<br>Aluminium |
|----------------|---------------------|

##### Compatibility

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

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#### Dimensions

|                                                         |              |
|---------------------------------------------------------|--------------|
| Dimensions                                              | 260 x 140 mm |
| Height                                                  | 260 mm       |
| Width                                                   | 140 mm       |
| Depth                                                   | 150 mm       |
| Downstream busbar: width, height, diameter screw (max.) | 10 mm        |
|                                                         | 12 mm        |
|                                                         | 32 mm        |
| Top stream busbar: width, height, diameter screw (max.) | 10 mm        |
|                                                         | 12 mm        |
|                                                         | 32 mm        |

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#### Installation, mounting

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

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#### Sustainability

|                 |     |
|-----------------|-----|
| REACH-SVHC free | Yes |
| RoHS conform    | Yes |