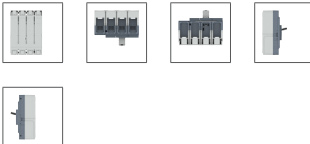




HHJ631DE



**Moulded Case Circuit Breaker h3 x630 TM ADJ 4P4D N0-100% 630A 25kA 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 | 25 kA    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2 | 35 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2   | 35 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2   | 25 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           | 4              |
| Control/operation element | Toggle         |
| Device construction type  | Fixed built-in |
| Neutral position          | Left           |

**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 185 mm            |
| Height  | 260 mm                  |
| Width   | 185 mm                  |
| Depth   | 150 mm                  |
| Downstream busbar: width, height, diameter screw (max.) | 10 mm<br>12 mm<br>32 mm |
| Top stream busbar: width, height, diameter screw (max.) | 10 mm<br>12 mm<br>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 |