



HHJ251DR

### Moulded Case Circuit Breaker h3 x630 TM ADJ 4P4D N0-100% 250A 25kA FTC

#### Technical Features

##### Electric current

|   |          |
|---|----------|
| Rated current   | 250 A    |
| 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 service breaking capacity Ics under 230 V AC according to IEC 60947-2   | 35 kA    |
| Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2   | 25 kA    |
| Rated current 10°C according to IEC 60947                                     | 293.30 A |
| Rated current 15°C according to IEC 60947                                     | 288.20 A |
| Rated current 20°C according to IEC 60947                                     | 283.10 A |
| Rated current 25°C according to IEC 60947                                     | 277.80 A |
| Rated current 30°C according to IEC 60947                                     | 272.50 A |
| Rated current at 35°C according to IEC 60947                                  | 267.10 A |
| Rated current at 40°C according to IEC 60947                                  | 261.50 A |
| Rated current 45°C according to IEC 60947                                     | 255.80 A |
| Rated current 50°C according to IEC 60947                                     | 250 A    |
| Rated current 55°C according to IEC 60947                                     | 244.10 A |
| Rated current at 60°C according to IEC 60947                                  | 238 A    |
| Rated current 65°C according to IEC 60947                                     | 231.70 A |
| Rated current 70°C according to IEC 60947                                     | 225.30 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 Uimp | 8000 V      |
| Rated insulation voltage Ui          | 800 V       |
| Rated operational voltage Ue         | 220 - 415 V |

##### Functions

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

##### Power

|                                       |        |
|---------------------------------------|--------|
| Total power loss under I <sub>N</sub> | 71.4 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 |
|----------------|--------|

##### Compatibility

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

**Dimensions**

|   |              |
|---|--------------|
| Dimensions  | 260 x 185 mm |
| Height  | 260 mm       |
| Width   | 185 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        |

**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 |

**Sustainability**

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