



HMJ401DR

### Moulded Case Circuit Breaker h3 x630 TM ADJ 4P4D N0-100% 400A 50kA FTC

#### Technical Features

##### Electric current

|                                                                                           |          |
|-------------------------------------------------------------------------------------------|----------|
| Rated current                                                                             | 400 A    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2 | 50 kA    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2 | 85 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2   | 85 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2   | 50 kA    |
| Rated current 10°C according to IEC 60947                                                 | 470.70 A |
| Rated current 15°C according to IEC 60947                                                 | 462.50 A |
| Rated current 20°C according to IEC 60947                                                 | 454.10 A |
| Rated current 25°C according to IEC 60947                                                 | 445.50 A |
| Rated current 30°C according to IEC 60947                                                 | 436.80 A |
| Rated current at 35°C according to IEC 60947                                              | 427.90 A |
| Rated current at 40°C according to IEC 60947                                              | 418.80 A |
| Rated current 45°C according to IEC 60947                                                 | 409.50 A |
| Rated current 50°C according to IEC 60947                                                 | 400 A    |
| Rated current 55°C according to IEC 60947                                                 | 390.30 A |
| Rated current at 60°C according to IEC 60947                                              | 380.30 A |
| Rated current 65°C according to IEC 60947                                                 | 370 A    |
| Rated current 70°C according to IEC 60947                                                 | 359.40 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> | 80 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 |

# Product Datasheet

## HMJ401DR

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|                                                         |              |
|---------------------------------------------------------|--------------|
| <b>Dimensions</b>                                       |              |
| 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        |
| <b>Installation, mounting</b>                           |              |
| 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   |
| <b>Sustainability</b>                                   |              |
| REACH-SVHC free                                         | Yes          |
| RoHS conform                                            | Yes          |