



HMJ251DR

Moulded Case Circuit Breaker h3 x630 TM ADJ 4P4D N0-100% 250A 50kA FTC

Technical Features

Electric current

| | |
|---|----------|
| Rated current | 250 A |
| Rated ultimate short-circuit breaking capacity I _{cu} under 400 V AC IEC 60947-2 | 50 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 240 V AC IEC 60947-2 | 85 kA |
| Rated service breaking capacity I _{cs} under 230 V AC according to IEC 60947-2 | 85 kA |
| Rated service breaking capacity I _{cs} under 400 V AC according to IEC 60947-2 | 50 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 U _{imp} | 8000 V |
| Rated insulation voltage U _i | 800 V |
| Rated operational voltage U _e | 220 - 415 V |

Functions

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

Power

| | |
|---------------------------------------|--------|
| Total power loss under I _N | 71.4 W |
|---------------------------------------|--------|

Safety

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

Settings

| | |
|---|------------------|
| Thermal protection knob setting xI _N | 0.63 0.8 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 |