



HMT251DR

### Moulded Case Circuit Breaker h3+ P250 TM ADJ 4P4D N0-100% 250A 50kA FTC

#### Technical Features

##### Electric current

|                                                                               |          |
|-------------------------------------------------------------------------------|----------|
| Rated current                                                                 | 250 A    |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 50 kA    |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 65 kA    |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2   | 65 kA    |
| Rated service breaking capacity Ics under 400 V AC according to IEC 60947-2   | 50 kA    |
| Rated ultimate short-circuit breaking capacity Icu under 660 V AC IEC 60947-2 | 6 kA     |
| Rated ultimate short-circuit breaking capacity Icu under 690 V AC IEC 60947-2 | 6 kA     |
| Rated current 10°C according to IEC 60947                                     | 310.20 A |
| Rated current 15°C according to IEC 60947                                     | 303.30 A |
| Rated current 20°C according to IEC 60947                                     | 296.30 A |
| Rated current 25°C according to IEC 60947                                     | 289.10 A |
| Rated current 30°C according to IEC 60947                                     | 281.70 A |
| Rated current at 35°C according to IEC 60947                                  | 274.10 A |
| Rated current at 40°C according to IEC 60947                                  | 266.30 A |
| Rated current 45°C according to IEC 60947                                     | 258.30 A |
| Rated current 50°C according to IEC 60947                                     | 250 A    |
| Rated current 55°C according to IEC 60947                                     | 241.40 A |
| Rated current at 60°C according to IEC 60947                                  | 232.50 A |
| Rated current 65°C according to IEC 60947                                     | 223.30 A |
| Rated current 70°C according to IEC 60947                                     | 213.70 A |

##### Architecture

|                           |                |
|---------------------------|----------------|
| Number of poles           | 4              |
| Control/operation element | Toggle         |
| Device construction type  | Fixed built-in |
| Neutral position          | Left           |

##### Frequency

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

##### Voltage

|                                      |             |
|--------------------------------------|-------------|
| Rated impulse withstand voltage Uimp | 8000 V      |
| Rated insulation voltage Ui          | 800 V       |
| Rated operational voltage Ue         | 220 - 690 V |

##### Functions

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

##### Power

|                           |         |
|---------------------------|---------|
| Total power loss under IN | 50.70 W |
|---------------------------|---------|

##### Endurance

|                                        |       |
|----------------------------------------|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations        | 40000 |

##### Safety

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

##### Connection

|                                  |                          |
|----------------------------------|--------------------------|
| Cross-section flexible conductor | 35 - 150 mm <sup>2</sup> |
| Cross-section rigid conductor    | 35 - 185 mm <sup>2</sup> |

##### Cover, door

|               |     |
|---------------|-----|
| Interlockable | Yes |
|---------------|-----|

##### Settings

|                                     |      |
|-------------------------------------|------|
| Thermal protection knob setting xIN | 0.63 |
|                                     | 0.8  |
|                                     | 1    |

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**Cable**

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

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**Compatibility**

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

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**Dimensions**

|            |              |
|------------|--------------|
| Dimensions | 165 x 140 mm |
| Height     | 165 mm       |
| Width      | 140 mm       |
| Depth      | 97 mm        |

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**Installation, mounting**

|                               |            |
|-------------------------------|------------|
| Mounting-/Connection Position | Front      |
| Nominal tightening torque     | 12 - 12 Nm |

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**Electrical protection**

|                                                         |                        |
|---------------------------------------------------------|------------------------|
| Instantaneous protection (li): dial setting coefficient | 6<br>7<br>8<br>9<br>10 |
|---------------------------------------------------------|------------------------|

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**Sustainability**

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