



HET125DR

**Moulded Case Circuit Breaker h3+ P250 TM ADJ 3P3D 125A 70kA FTC**

**Technical Features**

**Electric current**

|   |          |
|---|----------|
| Rated current   | 125 A    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 400 V AC IEC 60947-2 | 70 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 ultimate short-circuit breaking capacity I <sub>cu</sub> under 660 V AC IEC 60947-2 | 6 kA     |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 690 V AC IEC 60947-2 | 6 kA     |
| Rated current 10°C according to IEC 60947   | 151.70 A |
| Rated current 15°C according to IEC 60947   | 148.60 A |
| Rated current 20°C according to IEC 60947   | 145.50 A |
| Rated current 25°C according to IEC 60947   | 142.30 A |
| Rated current 30°C according to IEC 60947   | 139 A    |
| Rated current at 35°C according to IEC 60947  | 135.60 A |
| Rated current at 40°C according to IEC 60947  | 132.20 A |
| Rated current 45°C according to IEC 60947   | 128.60 A |
| Rated current 50°C according to IEC 60947   | 125 A    |
| Rated current 55°C according to IEC 60947   | 121.30 A |
| Rated current at 60°C according to IEC 60947  | 117.40 A |
| Rated current 65°C according to IEC 60947   | 113.40 A |
| Rated current 70°C according to IEC 60947   | 109.30 A |

**Architecture**

|                           |                 |
|---------------------------|-----------------|
| Number of poles           | 3               |
| Control/operation element | Toggle          |
| Device construction type  | Fixed built-in  |
| Neutral position          | Without neutral |

**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 - 690 V |

**Functions**

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

**Power**

|                                       |         |
|---------------------------------------|---------|
| Total power loss under I <sub>N</sub> | 27.90 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 xI <sub>N</sub> | 0.63<br>0.8<br>1 |
|---|------------------|

**Cable**

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

**Compatibility**

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

**Dimensions**

|   |                         |
|---|-------------------------|
| Dimensions  | 165 x 105 mm            |
| Height  | 165 mm                  |
| Width   | 105 mm                  |
| Depth   | 97 mm                   |
| Downstream busbar: width, height, diameter screw (max.) | 4 mm<br>8.5 mm<br>25 mm |
| Top stream busbar: width, height, diameter screw (max.) | 4 mm<br>8.5 mm<br>25 mm |

**Installation, mounting**

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

**Electrical protection**

|   |                    |
|---|--------------------|
| Instantaneous protection (li): dial setting coefficient | 6<br>8<br>10<br>13 |
|---|--------------------|

**Sustainability**

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