



HHS125DC

**Moulded Case Circuit Breaker h3+ P160 TM ADJ 3P3D 125A 25kA CTC**

**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 | 25 kA    |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2 | 35 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2   | 35 kA    |
| Rated service breaking capacity I <sub>cs</sub> under 400 V AC according to IEC 60947-2   | 25 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   | 146.90 A |
| Rated current 15°C according to IEC 60947   | 144.30 A |
| Rated current 20°C according to IEC 60947   | 141.70 A |
| Rated current 25°C according to IEC 60947   | 139.10 A |
| Rated current 30°C according to IEC 60947   | 136.40 A |
| Rated current at 35°C according to IEC 60947  | 133.60 A |
| Rated current at 40°C according to IEC 60947  | 130.80 A |
| Rated current 45°C according to IEC 60947   | 127.90 A |
| Rated current 50°C according to IEC 60947   | 125 A    |
| Rated current 55°C according to IEC 60947   | 122 A    |
| Rated current at 60°C according to IEC 60947  | 118.90 A |
| Rated current 65°C according to IEC 60947   | 115.70 A |
| Rated current 70°C according to IEC 60947   | 112.50 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> | 32.10 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 | 6 - 70 mm <sup>2</sup> |
| Cross-section rigid conductor    | 6 - 95 mm <sup>2</sup> |

**Connectivity**

|                    |                |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

**Cover, door**

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

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**Settings**

|                                     |                  |
|-------------------------------------|------------------|
| Thermal protection knob setting xIN | 0.63<br>0.8<br>1 |
|-------------------------------------|------------------|

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**Cable**

|                |        |
|----------------|--------|
| Cable material | Copper |
|----------------|--------|

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**Compatibility**

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

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**Dimensions**

|            |             |
|------------|-------------|
| Dimensions | 130 x 90 mm |
| Height     | 130 mm      |
| Width      | 90 mm       |
| Depth      | 97 mm       |

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**Installation, mounting**

|   |          |
|---|----------|
| Mounting-/Connection Position           | Front    |
| Nominal tightening torque               | 6 - 6 Nm |
| Nominal tightening torque down terminal | 6 - 6 Nm |
| Nominal tightening torque top terminal  | 6 - 6 Nm |

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**Electrical protection**

|   |                    |
|---|--------------------|
| Instantaneous protection (li): dial setting coefficient | 6<br>8<br>10<br>12 |
|---|--------------------|

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**Sustainability**

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

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