



HEE800H

**Moulded Case Circuit Breaker h1000 3P 70kA 800A LSI**

**Technical Features**

**Electric current**

|   |        |
|---|--------|
| Rated current   | 800 A  |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230 V AC IEC 60947-2 | 100 kA |
| Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240 V AC IEC 60947-2 | 100 kA |
| 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 415 V AC IEC 60947-2 | 70 kA  |
| Breaking capacity on 1-pole for AC 230 V IEC 60947-2                                      | 60 kA  |
| Breaking capacity on 1-pole for AC 400 V IEC 60947-2                                      | 9 kA   |

**Architecture**

|                           |                |
|---------------------------|----------------|
| Number of poles           | 3              |
| Control/operation element | Toggle         |
| Device construction type  | Fixed built-in |

**Capacity**

|                   |    |
|-------------------|----|
| Number of modules | 12 |
|-------------------|----|

**Tripping**

|                            |       |
|----------------------------|-------|
| Response time when opening | 10 ms |
|----------------------------|-------|

**Settings**

|   |  |
|---|--|
| Magnetic protection knob setting xI <sub>N</sub>          | 2.5<br>5<br>10   |
| Range of magnetic adjustment                              | 4480 A<br>5600 A<br>7000 A<br>8960 A<br>9600 A<br>9600 A<br>9600 A |
| Thermal protection knob setting xI <sub>N</sub>           | 0.4<br>0.5<br>0.63<br>0.9<br>0.95<br>1                             |
| Adjustment range short-term delayed short-circuit release | 0 - 0 A  |

**Frequency**

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

**Installation, mounting**

|                               |            |
|-------------------------------|------------|
| Nominal tightening torque     | 65 - 65 Nm |
| Mounting-/Connection Position | Front      |

**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 | LSI |
|-----------|-----|

**Main electrical attributes**

|                               |              |
|-------------------------------|--------------|
| Magnetic protection trip time | 100 - 200 ms |
|-------------------------------|--------------|

**Power**

|                                       |          |
|---------------------------------------|----------|
| Total power loss under I <sub>N</sub> | 153.60 W |
| Power loss per pole at I <sub>n</sub> | 51.20 W  |

**Endurance**

|  |      |
|--|------|
| Electric endurance in number of cycles | 1000 |
|--|------|

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**Endurance**

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|                                 |      |
|---------------------------------|------|
| Number of mechanical operations | 4000 |
|---------------------------------|------|

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**Equipment**

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|   |   |
|---|---|
| Number of auxiliary contacts as change-over contact | 0 |
|---|---|

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|   |   |
|---|---|
| Number of auxiliary contacts as normally closed contact | 0 |
|---|---|

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|   |   |
|---|---|
| Number of auxiliary contacts as normally open contact | 0 |
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**Safety**

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|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP4X |
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**Use conditions**

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|                       |             |
|-----------------------|-------------|
| Operating temperature | -25 - 70 °C |
|-----------------------|-------------|

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**Connection**

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|                                  |                        |
|----------------------------------|------------------------|
| Cross-section flexible conductor | 2x 240 mm <sup>2</sup> |
|----------------------------------|------------------------|

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|                               |                        |
|-------------------------------|------------------------|
| Cross-section rigid conductor | 2x 240 mm <sup>2</sup> |
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|                     |          |
|---------------------|----------|
| Connector/plug type | Terminal |
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**Controls and indicators**

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|                        |    |
|------------------------|----|
| Motor drive integrated | No |
|------------------------|----|

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**Compatibility**

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|                       |    |
|-----------------------|----|
| Suitable for DIN Rail | No |
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**Power supply**

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|                       |               |
|-----------------------|---------------|
| Position power supply | Bidirectional |
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