



HEC040H

### Moulded Case Circuit Breaker h250 3P 70kA 40A LSI

#### Technical Features

##### Electric current

|               |      |
|---------------|------|
| Rated current | 40 A |
|---------------|------|

##### Architecture

|                 |   |
|-----------------|---|
| Number of poles | 3 |
|-----------------|---|

##### Electric current

|                                                                               |       |
|-------------------------------------------------------------------------------|-------|
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 70 kA |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 85 kA |

##### Frequency

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

##### Voltage

|                                      |        |
|--------------------------------------|--------|
| Rated impulse withstand voltage Uimp | 8000 V |
| Rated insulation voltage Ui          | 800 V  |

##### Functions

|           |     |
|-----------|-----|
| Trip unit | LSI |
|-----------|-----|

##### Main electrical attributes

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

##### Power

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 1.90 W |
|---------------------------|--------|

##### Endurance

|                                        |      |
|----------------------------------------|------|
| Electric endurance in number of cycles | 1000 |
| Number of mechanical operations        | 4000 |

##### Safety

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

##### Use conditions

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

##### Connection

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

##### Installation, mounting

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

##### Settings

|                                                           |         |
|-----------------------------------------------------------|---------|
| Thermal protection knob setting xIN                       | 0.4     |
|                                                           | 0.5     |
|                                                           | 0.63    |
|                                                           | 0.8     |
|                                                           | 0.9     |
|                                                           | 0.95    |
| Adjustment range short-term delayed short-circuit release | 1       |
|                                                           | 0 - 0 A |
|                                                           |         |
|                                                           |         |
|                                                           |         |
|                                                           |         |

##### Sustainability

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