



Main miniature circuit breaker (SHU), 1-pole, E 40, 230/400 V

Figure similar

| Model  |   |
|--|---|
| product brand name   | SENTRON   |
| product designation  | Miniature circuit breaker   |
| design of the product  | Main miniature circuit breaker  |
| design of the locking device   | Integrated locking slide, lockable by means of a lock, wire seal and cable ties |
| General technical data   |   |
| number of poles  | 1   |
| design of pole   | 1P  |
| tripping characteristic class  | E   |
| mechanical service life (operating cycles) typical   | 20 000  |
| overvoltage category   | 4   |
| degree of pollution  | 3   |
| Voltage  |   |
| insulation voltage (U <sub>i</sub> ) rated value   | 690 V   |
| surge voltage resistance rated value   | 6 kV  |
| supply voltage with single-phase operation at AC rated value   | 230 V   |
| <ul style="list-style-type: none"> <li>● operational current                             <ul style="list-style-type: none"> <li>— at 30 °C rated value</li> <li>— at 40 °C rated value</li> <li>— at 50 °C rated value</li> <li>— at 55 °C rated value</li> </ul> </li> <li>● operational current at AC rated value</li> </ul> | 40 A<br>38 A<br>36 A<br>35 A<br>40 A  |
| Supply voltage   |   |
| supply voltage at AC   | 230 V   |
| operating voltage rated value <ul style="list-style-type: none"> <li>● minimum</li> <li>● maximum</li> </ul>   | 110 V<br>440 V  |
| supply voltage frequency rated value   | 50 Hz   |
| Protection class   |   |
| protection class IP  | IP40, with connected conductors   |
| Breaking Capacity  |   |
| switching capacity current <ul style="list-style-type: none"> <li>● rated value</li> <li>● according to EN 60898 rated value</li> </ul>  | 25 kA<br>25 kA  |
| Dissipation  |   |
| power loss [W] for rated value of the current at AC in hot   | 6.4 W   |

|   |   |
|---|---|
| operating state per pole  |   |
| <b>suitability for operation</b>  | Residential buildings/infrastructure            |
| <b>Product details</b>  |   |
| <b>product component</b>  |   |
| • infeed at box terminal  | Yes   |
| • saddle terminals  | Yes   |
| <b>product feature properties for main switches in accordance with EN 60204-1</b>   | Yes   |
| <b>product feature sealable</b>   | Yes   |
| <b>Display and operation</b>  |   |
| display version for switch position indicator                                       | OFF = green, ON = red                           |
| <b>Connections</b>  |   |
| <b>connectable conductor cross-section of the box terminal</b>                      |   |
| • solid minimum   | 2.5 mm <sup>2</sup>                             |
| • solid maximum   | 50 mm <sup>2</sup>                              |
| • stranded minimum  | 2.5 mm <sup>2</sup>                             |
| • stranded maximum  | 50 mm <sup>2</sup>                              |
| <b>connectable conductor cross-section solid</b>                                    |   |
| • minimum   | 2.5 mm <sup>2</sup>                             |
| • maximum   | 50 mm <sup>2</sup>                              |
| <b>connectable conductor cross-section stranded</b>                                 |   |
| • minimum   | 2.5 mm <sup>2</sup>                             |
| • maximum   | 50 mm <sup>2</sup>                              |
| <b>connectable conductor cross-section finely stranded with core end processing</b> |   |
| • minimum   | 2.5 mm <sup>2</sup>                             |
| • maximum   | 50 mm <sup>2</sup>                              |
| <b>position of power supply cord</b>  | Any   |
| <b>Mechanical Design</b>  |   |
| <b>height</b>   | 128 mm  |
| <b>depth</b>  | 76.3 mm   |
| <b>depth of the enclosure</b>   | 76.3 mm   |
| <b>number of modular width units</b>  | 1.5   |
| <b>fastening method</b>   | DIN rail  |
| fastening method other  | on DIN rail 35 mm acc. to EN 60715              |
| <b>Net Weight</b>   | 440 g   |
| <b>Environmental conditions</b>   |   |
| <b>shock resistance</b>   | 30 g, at least 3 impacts, impact duration 11 ms |
| <b>vibration resistance according to IEC 60068-2-6</b>                              | 2 g, 20 frequency cycles 5 to 150 to 15 Hz      |
| <b>ambient temperature during operation</b>   |   |
| • minimum   | -25 °C  |
| • maximum   | 55 °C   |
| <b>ambient temperature during storage</b>   |   |
| • minimum   | -40 °C  |
| • maximum   | 70 °C   |

**Approvals Certificates**

|                    |                                 |
|--------------------|---------------------------------|
| <b>Environment</b> | <b>General Product Approval</b> |
|--------------------|---------------------------------|

[Environmental Con-  
firmations](#)

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firmations](#)



**other**

[Confirmation](#)



## Further information

### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SP3740-3>

### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3740-3>

### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[https://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP3740-3](https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3740-3)

### CAX-Online-Generator

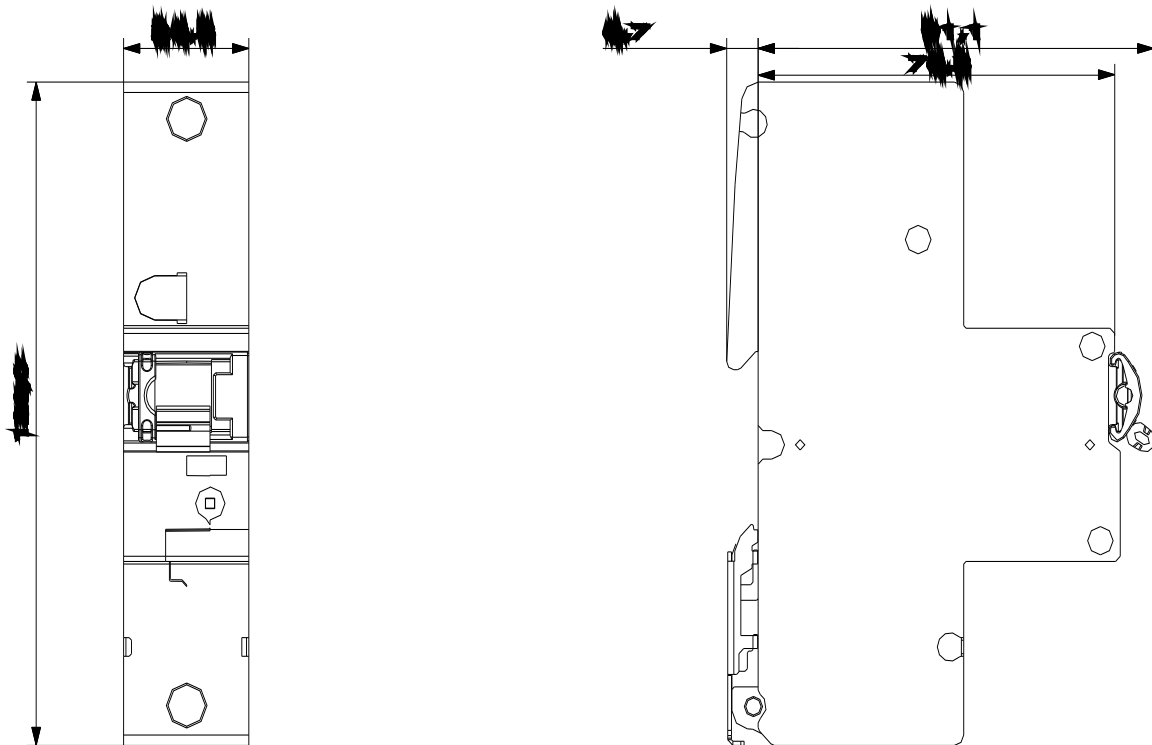
<https://www.siemens.com/cax>

### Tender specifications

<https://www.siemens.com/specifications>

### Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





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