

Main miniature circuit breaker (SHU), 1-pole, E 25A, 230/400 V  
(block with L1, L2, L3)



Model	
Product brand name	SENTRON
Product designation	Miniature circuit breaker
Design of the product	Main miniature circuit breaker
General technical data	
Number of poles	1
Number of poles / Note	1P
Tripping characteristic class	E
circuit-breaker / Design	5SP3
Mechanical service life (switching cycles) / typical	20 000
Overvoltage category	IV
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Supply voltage	
Current / at AC / rated value	25 A
Supply voltage / at AC / rated value	230 V
Operating voltage / rated value	

<ul style="list-style-type: none"> <li>• minimum</li> </ul>	110 V
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	440 V
Supply voltage frequency / rated value	50 Hz

#### Protection class

Protection class IP	IP40, with connected conductors
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#### Switching capacity

Switching capacity current	
<ul style="list-style-type: none"> <li>• rated value</li> </ul>	25 kA
<ul style="list-style-type: none"> <li>• acc. to EN 60898 / rated value</li> </ul>	25 kA

#### Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	6.5 W
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#### Current

Tripping residual / rated value / derated current / at 40 Cel	23.75 A
Suitability for operation	Residential buildings/infrastructure

#### Product details

Product component	
<ul style="list-style-type: none"> <li>• outgoing feeder via spring-loaded terminal</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Infeed at box terminal</li> </ul>	Yes
Product feature	
<ul style="list-style-type: none"> <li>• Properties for main switches in accordance with EN 60204-1</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• sealable</li> </ul>	Yes

#### Display and operation

Display version / for switch position indicator	OFF = green, ON = red
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#### Connections

<ul style="list-style-type: none"> <li>• Connectable conductor cross-section / of spring-loaded terminal / finely stranded / with core end processing</li> </ul>	2.5 ... 16 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• Connectable conductor cross-section / of the box terminal</li> </ul>	
<ul style="list-style-type: none"> <li>— solid</li> </ul>	2.5 ... 50 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>— stranded</li> </ul>	2.5 ... 50 mm <sup>2</sup>
Position / of power supply cord	Stipulated by installation in the lower section of the meter panel

#### Mechanical Design

Height	151.3 mm
Depth	89.5 mm
Depth / of the enclosure	76.3 mm
Number of width units	1.5

Mounting type	Busbar
Mounting type / other installation / Note	On 40-mm busbar system in compliance with DIN 43870 Part 2
Net weight	1 305 g

#### Environmental conditions

Shock resistance	30 g, at least 3 impacts, impact duration 11 ms
Vibration resistance / acc. to IEC 60068-2-6	2 g, 20 frequency cycles 5 to 150 to 15 Hz
Ambient temperature	-25 ... +55 °C
• during storage	-40 ... +70 °C

#### Certificates

Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

#### General Product Approval

#### Declaration of Conformity



#### Further information

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

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

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SP3725-2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3725-2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP3725-2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3725-2)

##### CAX-Online-Generator

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

##### Tender specifications

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

