

Main miniature circuit breaker (SHU), 1-pole, E 63A, 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
Degree of pollution	3
Voltage	
Insulation voltage / rated value	690 V
Surge voltage resistance / rated value	6 kV
Supply voltage	
Operating current / at AC / rated value	63 A
Supply voltage / at AC / rated value	230 V

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

Protection class	
Protection class IP	IP40, with connected conductors

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

Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	9.7 W

Current	
Tripping residual / rated value / derated current / at 40 Cel	59.85 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> <li>• Infeed at box terminal</li> </ul>	<p>Yes</p> <p>Yes</p>
Product feature	
<ul style="list-style-type: none"> <li>• Properties for main switches in accordance with EN 60204-1</li> <li>• sealable</li> </ul>	<p>Yes</p> <p>Yes</p>

Display and operation	
Display version / for switch position indicator	OFF = green, ON = red

Connections	
Connectable conductor cross-section / of spring-loaded terminal / finely stranded / with core end processing	
<ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	<p>2.5 mm<sup>2</sup></p> <p>16 mm<sup>2</sup></p>
Connectable conductor cross-section / of the box terminal	
<ul style="list-style-type: none"> <li>• solid / minimum</li> <li>• solid / maximum</li> <li>• stranded / minimum</li> <li>• stranded / maximum</li> </ul>	<p>2.5 mm<sup>2</sup></p> <p>50 mm<sup>2</sup></p> <p>2.5 mm<sup>2</sup></p> <p>50 mm<sup>2</sup></p>
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	1 354 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	
• minimum	-25 °C
• maximum	55 °C
Ambient temperature / during storage	
• minimum	-40 °C
• maximum	70 °C

## Certificates

- |                                           |   |
|-------------------------------------------|---|
| • reference code / acc. to DIN EN 61346-2 | F |
| • Reference code / 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=5SP3763-2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SP3763-2>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP3763-2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP3763-2)

### CAX-Online-Generator

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

### Tender specifications

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

