



MAIN CONDUCTOR CIRCUIT-BREAKER (SHU), 1 POLE, E 50 A, 230/400 V (SET WITH L1,L2,L3)

Model		
product brand name		SENTRON
<b>Design of the product</b>		Main miniature circuit breakers
General technical data		
<b>Number of poles</b>		1
<b>Number of poles / Note</b>		1P
<b>Tripping characteristic class</b>		E
<b>circuit-breaker / Design</b>		5SP3
<b>Mechanical service life (switching cycles) / typical</b>		20 000
<b>Overvoltage category</b>		IV
Voltage		
Insulation voltage / Rated value	V	690
Surge voltage resistance / Rated value	kV	6
Supply voltage		
Supply voltage frequency / Rated value	Hz	50
Protection class		
<b>Protection class IP</b>		IP40, with connected conductors
Switching capacity		
<b>Switching capacity current</b>		
• Rated value	kA	25
• acc. to EN 60898 / Rated value	kA	25
Dissipation		
<b>Active power loss</b>		

- for rated value of the current / with AC / in hot operating state / per pole

W	8
---	---

### Electricity

rated current $I_n$ / IEC, DIN/VDE / at 40 Cel	A	47.5
Current / with AC / Rated value	A	50

### Main circuit

<b>Operating voltage / Rated value</b>		
• minimum	V	110
• maximum	V	440

### Product details

<b>Product component</b>		
• outgoing feeder via spring-loaded terminal		Yes
• Infeed at box terminal		Yes
<b>Product property</b>		
• Properties for main switches in accordance with EN 60204-1		Yes
• sealable		Yes

### Product function

Product function / neutral conductor switching		No
------------------------------------------------	--	----

### Display and operation

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

### Connections

<b>Connectable conductor cross-section</b>		
• of spring-loaded terminal / finely stranded / with core end processing		
— minimum	mm <sup>2</sup>	2.5
— maximum	mm <sup>2</sup>	16
• of the box terminal		
— solid / minimum	mm <sup>2</sup>	2.5
— solid / maximum	mm <sup>2</sup>	50
— stranded / minimum	mm <sup>2</sup>	2.5
— stranded / maximum	mm <sup>2</sup>	50
Position / of power supply cord		Stipulated by installation in the lower section of the meter panel

### Mechanical Design

<b>Number of width units</b>		1.5
<b>Mounting type</b>		Busbar
Mounting type / other installation / Note		On 40-mm busbar system in compliance with DIN 43870 Part 2

### Environmental conditions

<b>Shock resistance</b>		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
<b>Ambient temperature</b>		
• minimum	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	70
<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>other</b>



GOST



VDE



EG-Konf.

[other](#)

## Further information

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

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

### Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SP37502>

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

<http://support.automation.siemens.com/WW/view/en/5SP37502/all>

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

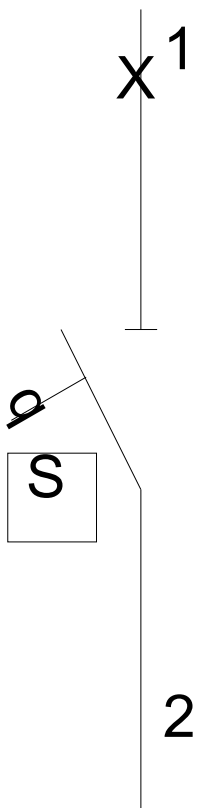
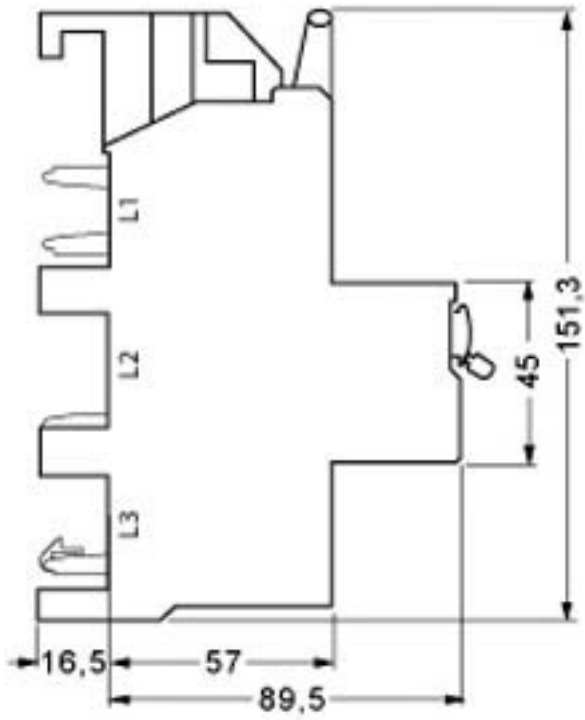
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP37502](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP37502)

### CAX-Online-Generator

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

### Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



last modified:

11.03.2015