



MAIN CIRCUIT BREAKER (SHU), 1POLE, E50A L3, 230/400V

Figure similar

Model		
product brand name		SENTRON
Design of the product		Main miniature circuit breakers
Design of the locking device		Locking slide with lock, additional wire seal, cable ties and Antilux

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	V	690
Surge voltage resistance / Rated value	kV	6

Supply voltage		
Supply voltage frequency / Rated value	Hz	50

Protection class		
Protection class IP		IP40, with connected conductors

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

Dissipation		
<b>Active power loss</b>		
<ul style="list-style-type: none"> <li>• for rated value of the current / with AC / in hot operating state / per pole</li> </ul>	W	8
Electricity		
rated current I <sub>n</sub> / IEC, DIN/VDE / at 40 Cel	A	47.5
Current / with AC / Rated value	A	50
Main circuit		
<b>Operating voltage / Rated value</b>		
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	V	110
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	V	440
Product details		
<b>Product component</b>		
<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
<b>Product property</b>		
<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
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>		
<ul style="list-style-type: none"> <li>• of spring-loaded terminal / finely stranded / with core end processing</li> </ul>		
— minimum	mm <sup>2</sup>	2.5
— maximum	mm <sup>2</sup>	16
<ul style="list-style-type: none"> <li>• of the box terminal</li> </ul>		
— 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
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### 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>
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[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/5SP37502KK03>

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

<http://support.automation.siemens.com/WW/view/en/5SP37502KK03/all>

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

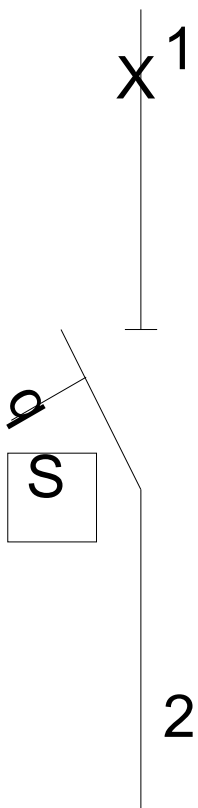
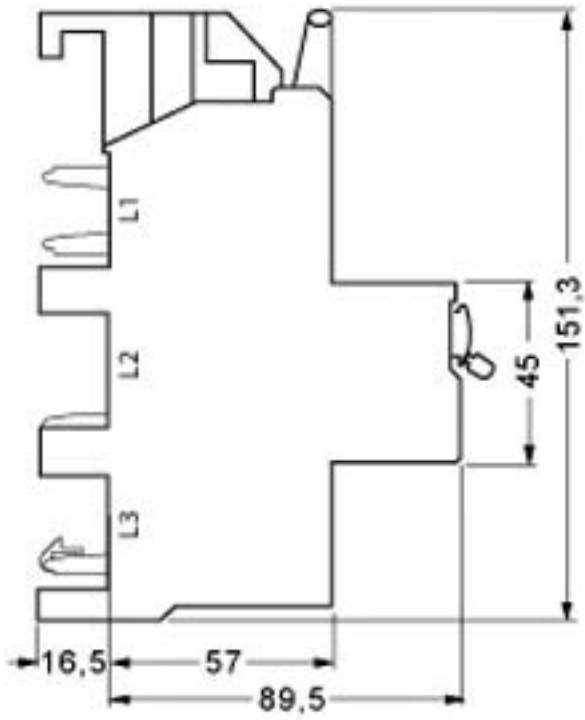
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SP37502KK03](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP37502KK03)

**CAX-Online-Generator**

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

**Tender specifications**

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



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