



MAIN CONDUCTOR CIRCUIT-BREAKER (SHU), 1-POLE, E 40 A, 230/400 V (SET WITH L1,L2,L3)

Model		
product brand name		SENTRON
Design of the product		Main miniature circuit breakers
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		
• Rated value	kA	25
• acc. to EN 60898 / Rated value	kA	25
Dissipation		
Active power loss		

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

W 6.4

Electricity

rated current I_n / IEC, DIN/VDE / at 40 Cel	A	38
Current / with AC / Rated value	A	40

Main circuit

Operating voltage / Rated value		
• minimum	V	110
• maximum	V	440

Product details

Product component		
• outgoing feeder via spring-loaded terminal		Yes
• Infeed at box terminal		Yes
Product property		
• 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

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

Mechanical Design

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

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	°C	-25
• maximum	°C	55
• during storage / minimum	°C	-40
• during storage / maximum	°C	70
General Product Approval	Declaration of Conformity	other



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/5SP37402>

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

<http://support.automation.siemens.com/WW/view/en/5SP37402/all>

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

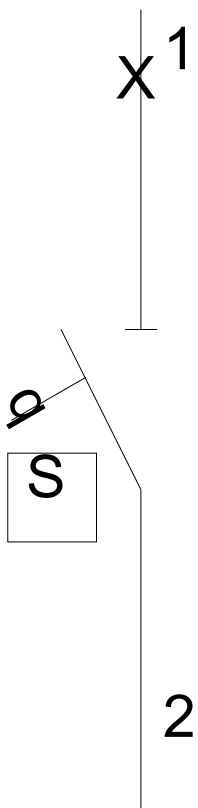
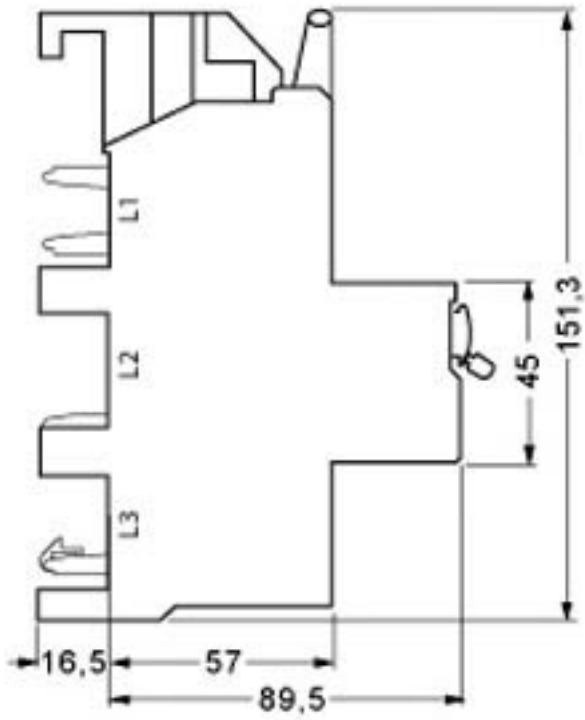
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SP37402

CAX-Online-Generator

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

Tender specifications

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



last modified:

11.03.2015