

CIRCUIT BREAKER 230/400V 6KA, 1POLE, B, 2A



Model		
product brand name		SETRON
Product designation		Miniature circuit breakers
Design of the product		5SL miniature circuit breakers
General technical data		
Number of poles		1
Number of poles / Note		1P
Tripping characteristic class		B
circuit-breaker / Design		5SL6
Mechanical service life (switching cycles) / typical		20 000
Overvoltage category		3
Voltage		
Type of voltage		AC/DC
Insulation voltage		
• with single-phase operation / at AC / rated value	V	250
• with multi-phase operation / at AC / rated value	V	440
Supply voltage		

Supply voltage frequency / rated value	Hz	50
Protection class		
Protection class IP		IP20, with connected conductors
Energy limiting class		3
Switching capacity		
Switching capacity current		
• acc. to EN 60898 / rated value	kA	6
Dissipation		
Power loss [W]		
• for rated value of the current / at AC / in hot operating state / per pole	W	1.9
• maximum	W	1.9
Electricity		
rated current I _n / IEC, DIN/VDE / at 40 Cel	A	1.9
Current / at AC / rated value	A	2
Main circuit		
Operating voltage		
• minimum	V	24
• at DC / rated value / maximum	V	60
• with single-phase operation / at AC / maximum	V	250
• with multi-phase operation / at AC / maximum	V	440
Product details		
Product feature / Touch protection		Yes
Product feature		
• halogen-free		Yes
• sealable		Yes
• silicon-free		Yes
Product extension / can be installed / supplementary devices		Yes
Product function		
Product function / neutral conductor switching		No
Number		
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30		6
Connections		
Connectable conductor cross-section / stranded		
• minimum	mm ²	0.75
• maximum	mm ²	25
Connectable conductor cross-section		

• solid — minimum — maximum • finely stranded / with core end processing — minimum — maximum	mm ² mm ² mm ² mm ²	0.75 25 0.75 25
Tightening torque / with screw-type terminals		
• minimum • maximum	N·m N·m	2.5 3.5

Mechanical Design		
Height	mm	90
Width	mm	18
Depth	mm	76
Mounting position		any
Installation depth	mm	70
Number of width units		1
Net weight	g	150

Environmental conditions		
Degree of pollution		2
Influence of the surrounding temperature		Periodically +55°C, max. 95% humidity
Ambient temperature		
• minimum • maximum • during storage / minimum • during storage / maximum	°C °C °C °C	-25 45 -40 75

Certificates		
Equipment marking		
• acc. to DIN EN 61346-2		F

General Product Approval		Declaration of Conformity
     		

Test Certificates
sonstig

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/5SL6102-6>

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

<http://support.automation.siemens.com/WW/view/en/5SL6102-6/all>

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

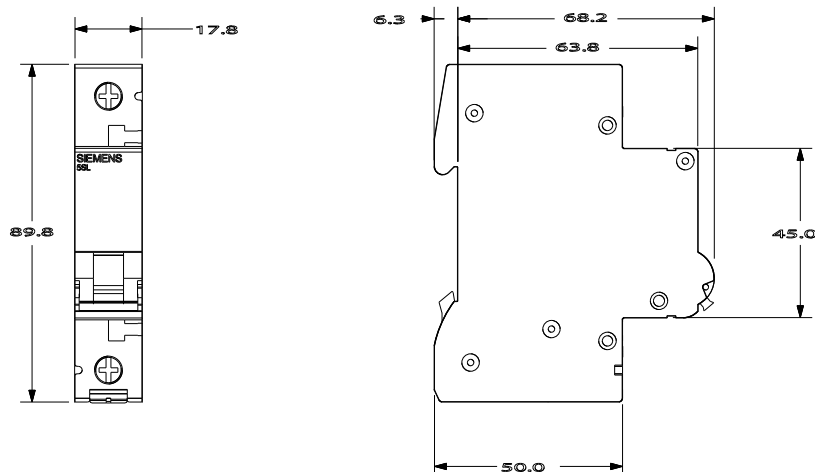
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6102-6

CAX-Online-Generator

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

Tender specifications

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



last modified:

08/30/2016