## **SIEMENS**

Data sheet 5SL6150-7



Miniature circuit breaker 230/400 V 6kA, 1-pole, C, 50 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
design of the product	5SL miniature circuit breakers
General technical data	
number of poles	1
number of poles / note	1P
tripping characteristic class	С
mechanical service life (switching cycles) / typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
insulation voltage	
<ul><li>with single-phase operation / at AC / rated value</li></ul>	250 V
<ul><li>with multi-phase operation / at AC / rated value</li></ul>	440 V
Supply voltage	
type of voltage	AC
operational current / at AC / rated value	50 A
supply voltage / at AC / rated value	400 V
operating voltage	
<ul><li>with multi-phase operation / at AC / maximum</li></ul>	440 V
at DC / rated value / maximum	72 V
supply voltage frequency	
rated value	50 Hz
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
<ul><li>acc. to EN 60898 / rated value</li></ul>	6 kA
• acc. to IEC 60947-2 / rated value	6 kA
energy limitation class	3
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.8 W
suitability for operation	Residential buildings/infrastructure
Product details	
product function / neutral conductor switching	No

product footing / touch protoction	Vec
product feature / touch protection	Yes
product feature	Vee
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension / installable / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm <sup>2</sup>
maximum	25 mm²
connectable conductor cross-section / stranded	
• minimum	0.75 mm <sup>2</sup>
maximum	25 mm <sup>2</sup>
connectable conductor cross-section / finely stranded / with core end processing	
• minimum	0.75 mm²
maximum	25 mm²
tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
Mechanical Design	
height	90 mm
width	18 mm
depth	76 mm
installation depth	70 mm
number of modular width units	1
mounting position	any
net weight	155 g
Environmental conditions	
influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
ambient temperature	
• minimum	-25 °C
• maximum	45 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	75 °C
Certificates	
reference code	
• acc. to DIN EN 61346-2	F
• acc. to IEC 81346-2	F
General Product Approval	Declaration of Conformity









## Further information

 $Information-\ and\ Download center\ (Catalogs,\ Brochures, \ldots)$ 

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6150-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6150-7

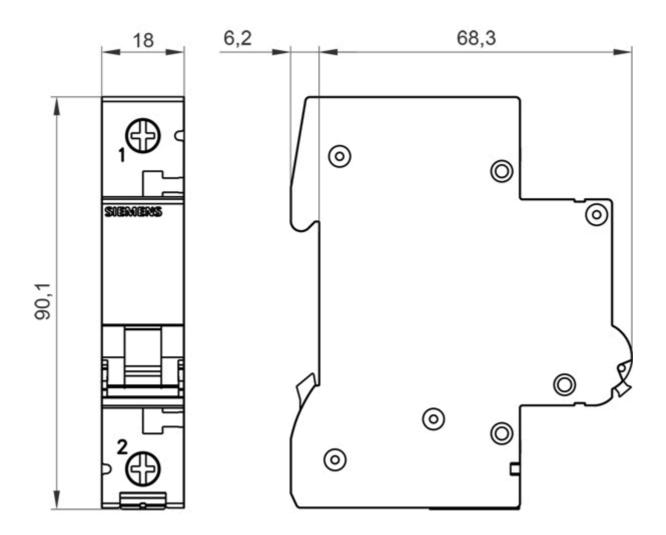
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6150-7

**Tender specifications** 

http://www.siemens.com/specifications





Ø