## **SIEMENS**

Data sheet 5SL6140-6



Miniature circuit breaker 230/400 V 6kA, 1-pole, B, 40 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	В		
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	40 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	3.4 W		
suitability for operation	Residential buildings/infrastructure		
Product details			
product function / neutral conductor switching	No		

product feature / touch protection	Yes			
product feature	\/			
• halogen-free		Yes		
• sealable		Yes		
• silicon-free	Yes			
product extension / installable / supplementary devices	Yes	Yes		
Connections	_			
connectable conductor cross-section / solid				
• minimum	0.75	0.75 mm²		
maximum	25 m	25 mm²		
connectable conductor cross-section / stranded				
• minimum	0.75	0.75 mm <sup>2</sup>		
maximum	25 m	25 mm²		
connectable conductor cross-section / finely stranded / with core end processing				
• minimum	0.75	0.75 mm <sup>2</sup>		
• maximum	25 m	25 mm <sup>2</sup>		
tightening torque / with screw-type terminals				
• minimum	2.5 N	2.5 N·m		
• maximum	3 N·r	3 N·m		
Mechanical Design				
height	90 m	m		
width	18 m	18 mm		
depth	76 m	76 mm		
installation depth	70 m	70 mm		
number of modular width units	1	1		
mounting position	any	any		
net weight	150 (	150 g		
Environmental conditions				
Zivironimontali contantiono				
influence of the surrounding temperature	Perio	odically +55°C, max. 95% humidity		
	Perio	odically +55°C, max. 95% humidity		
influence of the surrounding temperature	Perio			
influence of the surrounding temperature ambient temperature		С		
influence of the surrounding temperature ambient temperature	-25 °	С		
influence of the surrounding temperature ambient temperature	-25 °	C C		
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influence of the surrounding temperature ambient temperature	-25 ° 45 °C -40 ° 75 °C	c c		
influence of the surrounding temperature ambient temperature	-25 ° 45 °C -40 ° 75 °C	c c		









## Further information

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6140-6

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6140-6

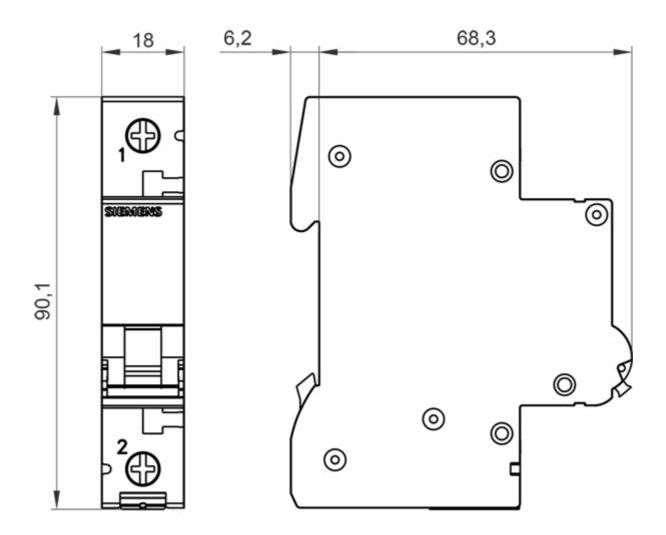
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6140-6

**Tender specifications** 

http://www.siemens.com/specifications





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