## **SIEMENS**

Data sheet 5SL6613-7



Miniature circuit breaker 400 V 6kA, 3+N-pole, C, 13A

Model			
product brand name	SENTRON		
product designation	Miniature circuit breaker		
General technical data			
number of poles	4		
tripping characteristic class	С		
mechanical service life (switching cycles) / typical	10 000		
overvoltage category	III		
degree of pollution	2		
Voltage			
type of voltage / of the operating voltage	AC		
insulation voltage (Ui)			
<ul><li>with multi-phase operation / at AC / rated value</li></ul>	440 V		
Supply voltage			
supply voltage / at AC / rated value	400 V		
operating voltage			
<ul> <li>with multi-phase operation / at AC / maximum</li> </ul>	440 V		
<ul><li>at DC / rated value / maximum</li></ul>	72 V		
Protection class			
protection class IP	IP20, with connected conductors		
Switching capacity			
switching capacity current			
• acc. to EN 60898 / rated value	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	1.5 W		
hot operating state / per pole	1.0 17		
hot operating state / per pole  Current	1.0 17		
hot operating state / per pole			
hot operating state / per pole  Current	13 A		
hot operating state / per pole  Current  operational current			
hot operating state / per pole  Current  operational current  at 30 °C / rated value	13 A		
hot operating state / per pole  Current  operational current  • at 30 °C / rated value  • at 40 °C / rated value	13 A 12.37 A		
hot operating state / per pole  Current  operational current  • at 30 °C / rated value  • at 40 °C / rated value  • at 45 °C / rated value	13 A 12.37 A 11.96 A		
hot operating state / per pole  Current  operational current  • at 30 °C / rated value  • at 40 °C / rated value  • at 45 °C / rated value  • at 55 °C / rated value	13 A 12.37 A 11.96 A 11.36 A		

maduat assessment / maritual assetuator aviitabile	Vaa				
product component / neutral conductor switching	Yes				
product feature / touch protection	Yes				
product feature	Vac				
halogen-free     acclable	Yes				
<ul><li>sealable</li><li>silicon-free</li></ul>	Yes				
	Yes				
product extension / installable / supplementary devices Yes					
Connections					
connectable conductor cross-section / solid	0 = -				
• minimum		0.75 mm <sup>2</sup>			
• maximum	25 m	25 mm <sup>2</sup>			
connectable conductor cross-section / stranded		•			
• minimum	0.75 mm²				
• maximum	25 mm <sup>2</sup>				
connectable conductor cross-section / finely stranded / with core end processing					
• minimum	0.75 mm <sup>2</sup>				
maximum	25 mm²				
tightening torque / with screw-type terminals					
• minimum	2.5 N·m				
• maximum	3 N·m				
Mechanical Design					
height	90 mm				
width	72 mm				
depth	76 mm				
installation depth	70 mm				
number of modular width units	4				
mounting position	any				
net weight	570 g				
Environmental conditions					
ambient temperature / during operation					
• minimum	-25 °	-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	F			
• acc. to IEC 81346-2	F				
General Product Approval		Declaration of Conformity	other		









**Miscellaneous** 

## 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=5SL6613-7

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

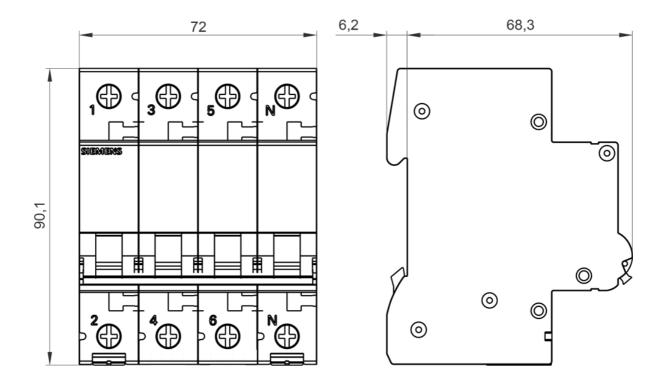
https://support.industry.siemens.com/cs/ww/en/ps/5SL6613-7

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6613-7

**CAx-Online-Generator** 

http://www.siemens.com/cax



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