## **SIEMENS**

Data sheet 5SL6216-7



Miniature circuit breaker 400 V 6kA, 2-pole, C, 16A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
tripping characteristic class	С
mechanical service life (switching cycles) / typical	10 000
overvoltage category	lll
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
<ul><li>acc. to IEC 60947-2 / rated value</li></ul>	6 kA
energy limitation class	3
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	1.8 W
Current	
Current	
operational current	
	16 A
operational current	16 A 15.23 A
operational current  • at 30 °C / rated value	
operational current  • at 30 °C / rated value  • at 40 °C / rated value	15.23 A
operational current  • at 30 °C / rated value  • at 40 °C / rated value  • at 45 °C / rated value	15.23 A 14.88 A
operational current  • at 30 °C / rated value  • at 40 °C / rated value  • at 45 °C / rated value  • at 55 °C / rated value	15.23 A 14.88 A 13.99 A

product component / neutral conductor switching	No No		
product feature / touch protection	Yes		
product feature	V.		
• halogen-free	Yes		
• sealable	Yes		
• silicon-free	Yes		
product extension / installable / supplementary devices	Yes		
Connections			
connectable conductor cross-section / solid			
• minimum	0.75 mm²		
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	36 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	2		
mounting position	any		
net weight	230 g		
Environmental conditions			
ambient temperature / during operation			
• 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	other





<u>TSE</u>





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=5SL6216-7

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

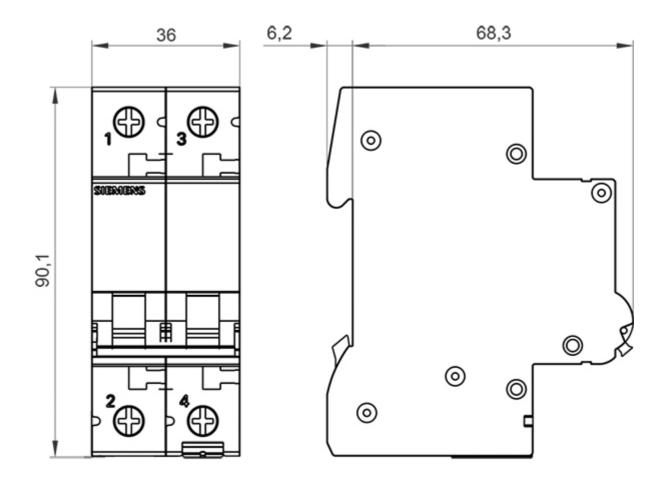
https://support.industry.siemens.com/cs/ww/en/ps/5SL6216-7

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6216-7

**CAx-Online-Generator** 

http://www.siemens.com/cax



♂