## SIEMENS

## Data sheet

## 5SL6310-7

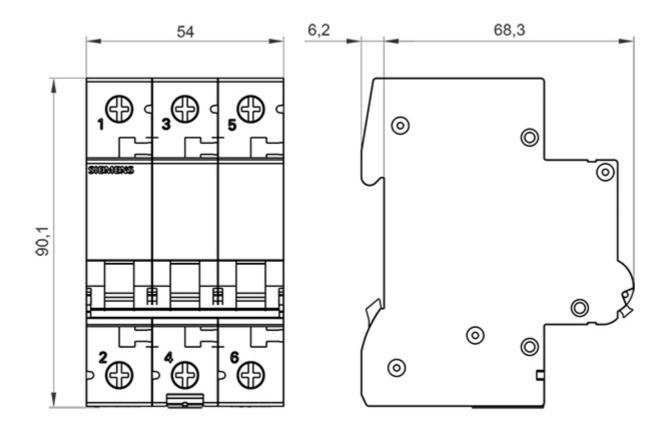


Miniature circuit breaker 400 V 6kA, 3-pole, C, 10 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	3
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	
<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	
<ul> <li>acc. to EN 60898 / rated value</li> </ul>	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	1.3 W
Current	
operational current	
• at 30 °C / rated value	10 A
• at 40 °C / rated value	9.52 A
• at 45 °C / rated value	9 A
• at 55 °C / rated value	8.74 A
• at AC / rated value	10 A
suitability for operation	Residential buildings/infrastructure
Product details	

meduat function / nontral constructor contraling			
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		
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 mm²		
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	54 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	3		
mounting position	any		
net weight	345 g		
Environmental conditions	Ű		
ambient temperature / during operation			
minimum	-25 °C		
• maximum	45 °C		
ambient temperature / during storage			
minimum	-40 °C		
• maximum	75 °C		
Certificates	75 0		_
reference code	-		
• acc. to DIN EN 61346-2	F		
acc. to IEC 81346-2 General Product Approval	F	Declaration of	other
		Conformity	
CEBEC VDE TSE	EHC	CE EG-Konf.	<u>Miscellaneous</u>

Information- and Downloadcenter (Catalogs, Bro http://www.siemens.com/lowvoltage/catalogs	chures,)
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog	g/product?mlfb=5SL6310-7
Service&Support (Manuals, Certificates, Charact https://support.industry.siemens.com/cs/ww/en/ps/5	
Image database (product images, 2D dimension http://www.automation.siemens.com/bilddb/cax_en.a	drawings, 3D models, device circuit diagrams,) aspx?mlfb=5SL6310-7
CAx-Online-Generator http://www.siemens.com/cax	



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