SIEMENS

Data sheet 5SL6510-7



Miniature circuit breaker 230 V 6kA, 1+N-pole, C, 10 A

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	III
degree of pollution	2
Voltage	
type of voltage / of the operating voltage	AC
insulation voltage	
with single-phase operation / at AC / rated value	250 V
Supply voltage	
supply voltage / at AC / rated value	230 V
operating voltage	
at DC / rated value / maximum	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
acc. to IEC 60947-2 / rated value energy limitation class	6 kA 3
energy limitation class	
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in	3
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current	3
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current	3 1.3 W
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current at 30 °C / rated value	3 1.3 W
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value	1.3 W 10 A 9.39 A
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value	1.3 W 10 A 9.39 A 9 A
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in 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	1.3 W 10 A 9.39 A 9 A 8.4 A
energy limitation class Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 45 °C / rated value • at AC / rated value • at AC / rated value	1.3 W 10 A 9.39 A 9 A 8.4 A 10 A

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 mm ²		
• maximum	25 mm²		
connectable conductor cross-section / stranded			
• minimum	0.75 mm ²		
maximum	25 mm²		
connectable conductor cross-section / finely stranded / with core end processing			
• minimum	0.75 mm ²		
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	210 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
	rnr	,	<u>Miscellaneous</u>









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=5SL6510-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6510-7

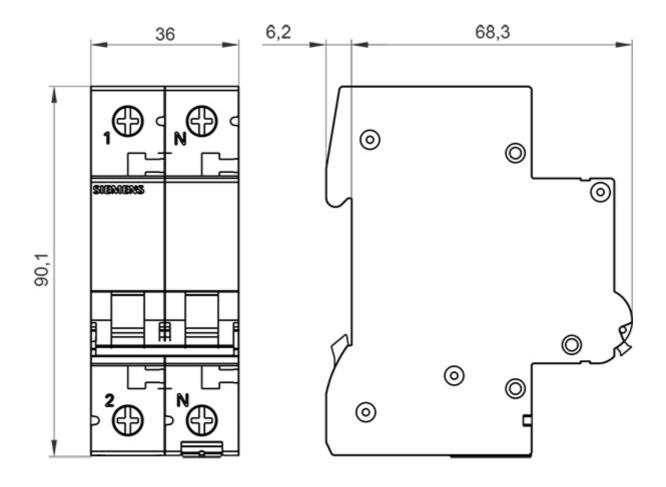
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6510-7

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications



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