SIEMENS

Data sheet 5SL6306-7



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

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	Williadare Greate breaker
number of poles	3 C
tripping characteristic class	
mechanical service life (switching cycles) / typical	10 000
overvoltage category	2
degree of pollution	2
Voltage	10
type of voltage / of the operating voltage	AC
insulation voltage	
with multi-phase operation / at AC / rated value	440 V
Supply voltage	
supply voltage / at AC / rated value	400 V
operating voltage	
with multi-phase operation / at AC / maximum	440 V
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
energy limitation class	3
Dissipation	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.7 W
Current	
Current operational current	
	6 A
operational current	6 A 5.64 A
operational current • at 30 °C / rated value	
operational current • at 30 °C / rated value • at 40 °C / rated value	5.64 A
operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value	5.64 A 5.4 A
operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 55 °C / rated value	5.64 A 5.4 A 5.04 A

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 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 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		
	any		
number of modular width units			
number of modular width units mounting position	any		
number of modular width units mounting position net weight Environmental conditions	any		
number of modular width units mounting position net weight	any		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g -25 °C		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g -25 °C		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g -25 °C 45 °C		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g -25 °C 45 °C -40 °C		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g -25 °C 45 °C -40 °C		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g -25 °C 45 °C -40 °C 75 °C		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g -25 °C 45 °C -40 °C		
number of modular width units mounting position net weight Environmental conditions ambient temperature / during operation	any 355 g -25 °C 45 °C -40 °C 75 °C	Declaration of Conformity	other





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Miscellaneous

Further information

 $Information-\ and\ Download center\ (Catalogs,\ Brochures,...)$

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6306-7

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

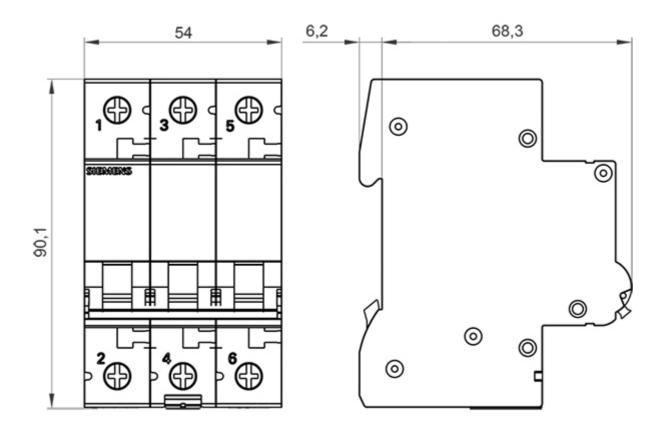
https://support.industry.siemens.com/cs/ww/en/ps/5SL6306-7

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6306-7

CAx-Online-Generator

http://www.siemens.com/cax



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