SIEMENS

Data sheet 5SL6320-7



Miniature circuit breaker 400 V 6kA, 3-pole, C, 20 A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	Williadaro Oriodic Stocker
number of poles	3
tripping characteristic class	C
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)	
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	2.2 W
power loss [W] / for rated value of the current / at AC / in	2.2 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.2 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current	2.2 W 20 A
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current	
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	20 A
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	20 A 18.79 A
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	20 A 18.79 A 18.4 A
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	20 A 18.79 A 18.4 A 16.8 A

product component / noutral conductor quitching	No		
product component / neutral conductor switching	Yes		
product feature / touch protection product feature	Tes		
•	Yes		
halogen-freesealable			
sealable silicon-free	Yes Yes		
product extension / installable / supplementary devices	Yes		
Connections	165	_	_
connectable conductor cross-section / solid			
minimum	0.75 mm ²		
maximum	25 mm ²		
connectable conductor cross-section / stranded	23 11111		
minimum	0.75 mm ²		
maximum	25 mm ²		
connectable conductor cross-section / finely stranded / with core end processing	20 11111		
• 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	, and the second		
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		
		Declaration of	
General Product Approval		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=5SL6320-7

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

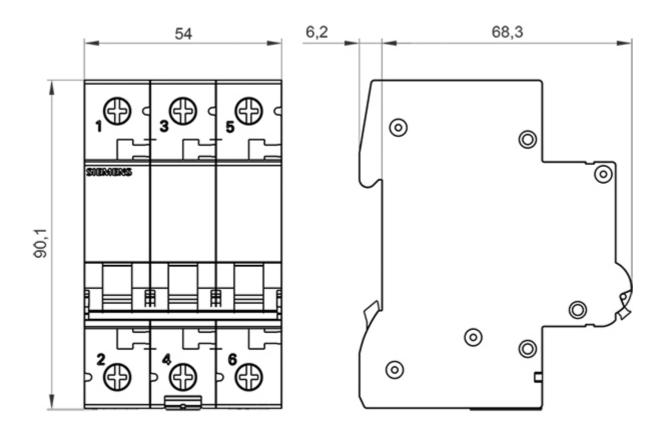
https://support.industry.siemens.com/cs/ww/en/ps/5SL6320-7

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6320-7

CAx-Online-Generator

http://www.siemens.com/cax



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