SIEMENS

Data sheet 5SL6320-7



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

Madal		
Model		
product brand name	SENTRON	
product designation	Miniature circuit breaker	
General technical data		
number of poles	3	
design of pole	3P	
tripping characteristic class	C	
mechanical service life (operating cycles)		
• typical	10 000	
overvoltage category	III	
degree of pollution	2	
Voltage		
type of voltage of the operating voltage	AC	
type of voltage	Use only in alternating current or direct current circuits. Mixed use is not permitted.	
insulation voltage (Ui)		
with multi-phase operation at AC rated value	440 V	
operational current		
• at 30 °C rated value	20 A	
 at 40 °C rated value 	18.79 A	
● at 55 °C rated value	16.8 A	
at AC rated value	20 A	
Supply voltage		
supply voltage at AC	400 V	
value range of the supply voltage frequency	50/60 Hz	
operating voltage		
 with multi-phase operation at AC maximum 	440 V	
 at DC rated value maximum 	62.5 V	
•	The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V	
Protection class		
protection class IP	IP20, with connected conductors	
Breaking Capacity		
switching capacity current		
 according to EN 60898 rated value 	6 kA	
 according 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	
suitability for operation	Residential buildings/infrastructure	

Product details		
product feature touch protection	Yes	
product component neutral conductor switching	No	
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 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	
mounting position	any	
net weight	381 g	
Environmental conditions		
ambient temperature during operation		
• minimum	-25 °C	
maximum	45 °C	
ambient temperature during storage		
• minimum	-40 °C	
maximum	75 °C	
Approvals Certificates		

General Product Approval









Miscellaneous



other Environment

<u>Confirmation</u> <u>Miscellaneous</u> <u>Environmental Confirmations</u>

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=5SL6320-7

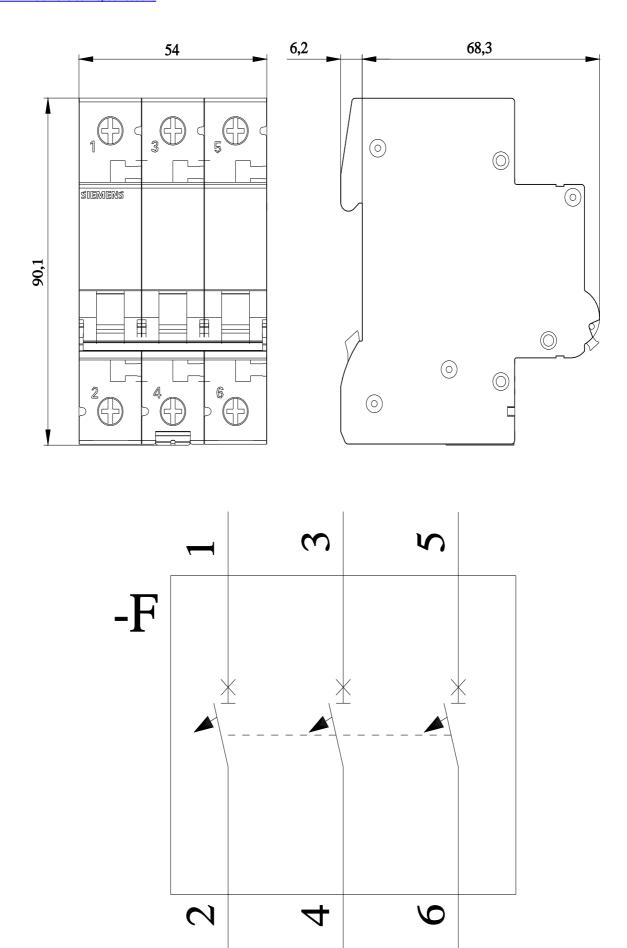
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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



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