SIEMENS

Data sheet 5SL6220-7



Miniature circuit breaker 400 V 6kA, 2-pole, C, 20 A

Model		
product brand name	SENTRON	
product designation	Miniature circuit breaker	
design of the product	5SL miniature circuit breakers	
General technical data		
number of poles	2	
number of poles / note	2P	
tripping characteristic class	С	
mechanical service life (switching cycles) / typical	10 000	
overvoltage category	III	
degree of pollution	2	
Voltage		
insulation voltage		
 with multi-phase operation / at AC / rated value 	440 V	
Supply voltage		
type of voltage	AC	
operational current / at AC / rated value	20 A	
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	
supply voltage frequency		
rated value	50 Hz	
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	
suitability for operation	Residential buildings/infrastructure	
Product details		
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 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	230 g	
Environmental conditions		
influence of the surrounding temperature	Periodically +55°C, max. 95% humidity	
ambient temperature		
• 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
CEBEC D'E	TSE []	CE







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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=5SL6220-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6220-7

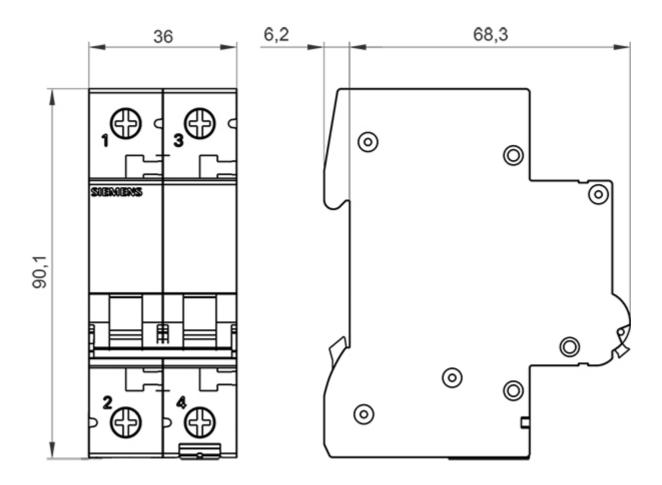
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6220-7

Tender specifications

http://www.siemens.com/specifications





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