SIEMENS

Data sheet 5SL6220-7RC



MCB 20 A 2-pole C characteristic 7.5 kA

Figure similar

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Model		
product brand name	SENTRON	
product designation	Miniature circuit breaker	
General technical data		
number of poles	2	
design of pole	2P	
tripping characteristic class	C	
mechanical service life (operating cycles)		
at AC 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 single-phase operation at AC rated value 	250 V	
 with multi-phase operation at AC rated value 	440 V	
operational current		
• at 30 °C rated value	20 A	
at AC rated value	20 A	
Supply voltage		
supply voltage at AC	415 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 	7.5 kA	
energy limitation class	No	
Dissipation		
power loss [W] for rated value of the current at AC in hot operating state per pole	1.7 W	
suitability for operation	Residential buildings/infrastructure	
Product details		

General Product Approval	other	Environment
Approvals Certificates		
• maximum	75 °C	
• minimum	-40 °C	
ambient temperature during storage		
maximum	45 °C	
• minimum	-25 °C	
ambient temperature during operation		
invironmental conditions		
net weight	229 g	
mounting position	any	
installation depth	70 mm	
depth	76 mm	
height width	90 mm 36 mm	
	00 mm	
maximum Mechanical Design	3 N·m	
• minimum	2.5 N·m	
tightening torque with screw-type terminals	0 E N m	
• maximum	25 mm²	
• minimum	0.75 mm²	
connectable conductor cross-section finely stranded with core end processing		
• maximum	25 mm ²	
• minimum	0.75 mm²	
connectable conductor cross-section stranded		
maximum	25 mm²	
• minimum	0.75 mm ²	
connectable conductor cross-section solid		
Connections		
product extension installable supplementary devices	Yes	
• silicon-free	Yes	
• sealable	Yes	
• halogen-free	Yes	
product feature		
product component neutral conductor switching	No	
product feature touch protection	Yes	







Confirmation

Environmental Confirmations

Environmental Confirmations

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=5SL6220-7RC

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

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

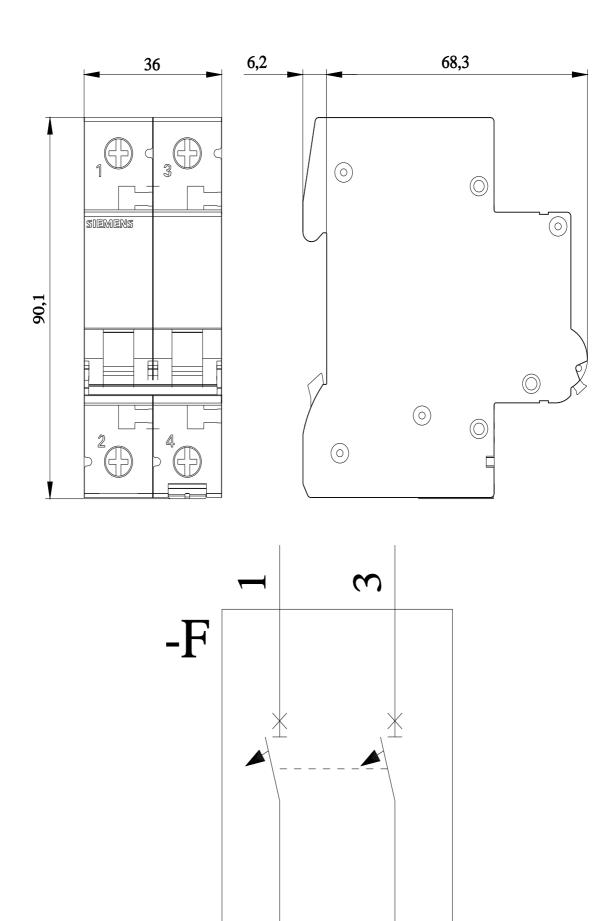
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6220-7RC

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications



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