SIEMENS

Data sheet

5SL4520-7



Miniature circuit breaker 230 V 10kA, 1+N-pole, C, 20 A

Model		
product brand name	SENTRON	
product designation	Miniature circuit breaker	
General technical data		
number of poles	2	
design of pole	1P+N	
tripping characteristic class	С	
mechanical service life (operating cycles) typical	10 000	
overvoltage category	III	
degree of pollution	2	
Voltage		
type of voltage of the operating voltage	AC	
insulation voltage (Ui)		
 with single-phase operation at AC rated value 	250 V	
operational current		
• at 30 °C rated value	20 A	
• at 40 °C rated value	18.94 A	
• at 55 °C rated value	17.24 A	
 at AC rated value 	20 A	
Supply voltage		
supply voltage at AC rated value	230 V	
value range of the supply voltage frequency	50/60 Hz	
operating voltage		
 at DC rated value maximum 	72 V	
Protection class		
protection class IP	IP20, with connected conductors	
Breaking Capacity		
switching capacity current		
 according to EN 60898 rated value 	10 kA	
 according to IEC 60947-2 rated value 	10 kA	
energy limitation class	3	
Dissipation		
power loss [W] for rated value of the current at AC in hot operating state per pole	2 W	
suitability for operation	Residential buildings/infrastructure	
Product details		
product feature		
halogen-free	Yes	
• sealable	Yes	
• silicon-free	Yes	

product extension installable supplementary devices	Yes
onnections	
connectable conductor cross-section solid	
• minimum	0.75 mm²
• maximum	25 mm ²
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
lechanical 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	295 g
invironmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	55 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C
Approvals Certificates	
General Product Approval	

CEBEC	
CLOLC	
CEREC	

C	E
EG-I	Konf.



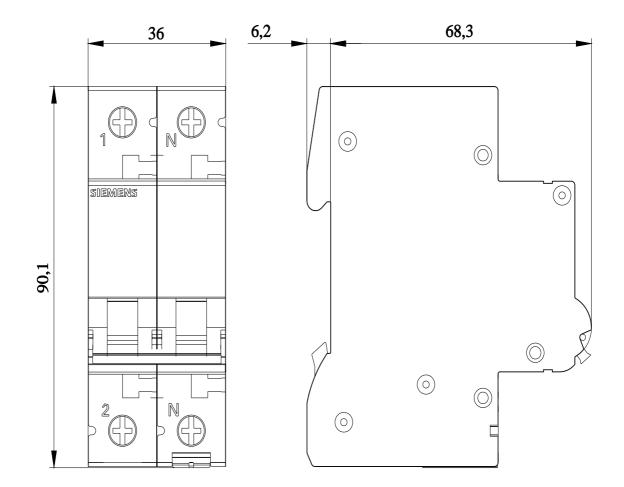


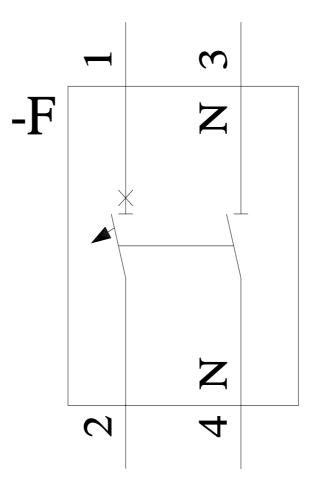


General Product Approval	Test Certificates	other		Environment
EFFE	<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Miscellaneous</u>	Environmental Con- firmations

Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). 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=5SL4520-7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL4520-7 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4520-7 **CAx-Online-Generator** http://www.siemens.com/cax **Tender specifications** http://www.siemens.com/specifications





8/12/2022 🖸