SIEMENS

Data sheet 5SL6420-7



Miniature circuit breaker 400 V 6kA, 4-pole, C, 20 A

Model				
product brand name	SENTRON			
product designation	Miniature circuit breaker			
General technical data				
number of poles	4			
design of pole	4P			
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 multi-phase operation at AC rated value 	440 V			
Supply voltage				
supply voltage at AC rated value	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 	72 V			
Protection class				
protection class IP	IP20, with connected conductors			
Switching 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				
halogen-free	Yes			
• sealable	Yes			
• silicon-free	Yes			
product extension installable supplementary devices	Yes			
Connections				
connectable conductor cross-section solid				
connectable conductor cross-section solid				

• maximum	25 mm²	
connectable conductor cross-section stranded		
• minimum	0.75 mm²	
• 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	72 mm	
depth	76 mm	
installation depth	70 mm	
number of modular width units	4	
mounting position	any	
net weight	460 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		Declaration of Con- formity



Confirmation



TSE





formity

Declaration of Conformity other Environment



Confirmation

Miscellaneous

Environmental Confirmations

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=5SL6420-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6420-7

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

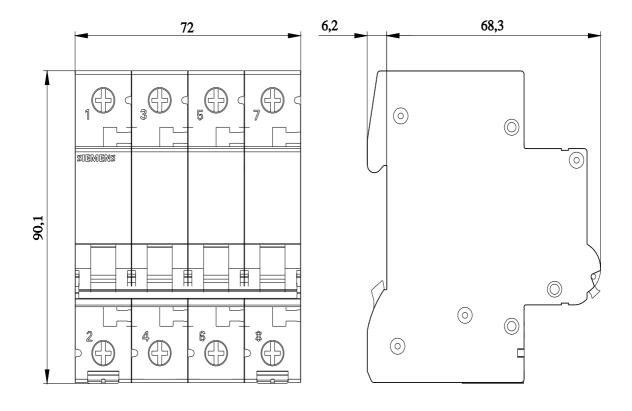
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6420-7

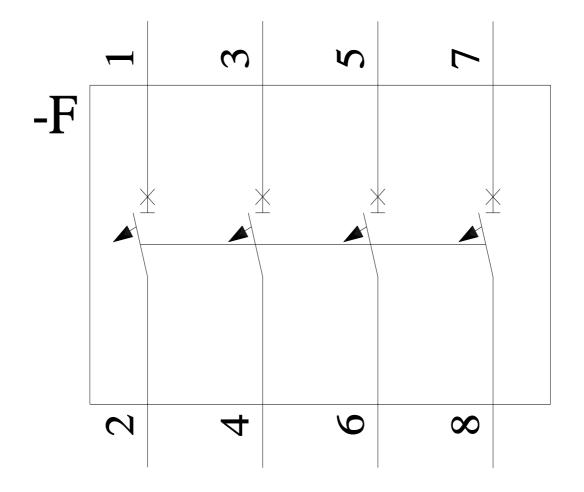
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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