SIEMENS

Data sheet 5SL6650-7



Miniature circuit breaker 400 V 6kA, 3+N-pole, C, 50 A

product brand name product designation Ministure circuit breaker General technical data number of poles 4 design of pole 3P+N tripping characteristic class C mechanical service life (operating cycles) typical 10 000 overvoltage category III degree of pollution 2 Voltage Upo of voltage of the operating voltage AC insulation voltage (Ui) • with multi-phase operation at AC rated value 440 V Supply voltage at AC rated value 440 V supply voltage at AC rated value 440 V supply voltage of the operating voltage frequency 50/60 Hz operating voltage • with multi-phase operation at AC maximum 440 V • at DC Tated value maximum 72 V Protection class IP Protection class IP Switching capacity switching capacity current • according to EC 60947-2 rated value 6 kA energy limitation class 3 Dissipation power loss [M] for rated value of the current at AC in hot operating state per pole suitability for operation Residential buildings/infrastructure Product details product feature • halogen-free Yes e sealable Yes e sealable Yes e silicon-free Yes product extension installable supplementary devices Yes connectable conductor cross-section solid	Model	
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Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Product details product feature • halogen-free • sealable • silicon-free product extension installable supplementary devices Connections connectable conductor cross-section solid	 according to IEC 60947-2 rated value 	6 kA
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product details product feature • halogen-free Yes • sealable Yes • silicon-free Yes product extension installable supplementary devices Yes Connections connectable conductor cross-section solid		3.8 W
product feature • halogen-free • sealable • silicon-free product extension installable supplementary devices Connections connectable conductor cross-section solid	suitability for operation	Residential buildings/infrastructure
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sealable silicon-free Yes product extension installable supplementary devices Connections connectable conductor cross-section solid Yes Yes Yes	product feature	
sealable silicon-free Yes product extension installable supplementary devices Connections connectable conductor cross-section solid Yes Yes Yes	• halogen-free	Yes
product extension installable supplementary devices Connections connectable conductor cross-section solid	• sealable	Yes
Connections connectable conductor cross-section solid	• silicon-free	Yes
Connections connectable conductor cross-section solid	product extension installable supplementary devices	Yes
connectable conductor cross-section solid		
	• minimum	0.75 mm²

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	615 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

Confirmation









Declaration of Con-

formity

Declaration of Conformity other

UK CA Confirmation

Miscellaneous

Environmental Confirmations

Environment

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=5SL6650-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6650-7

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

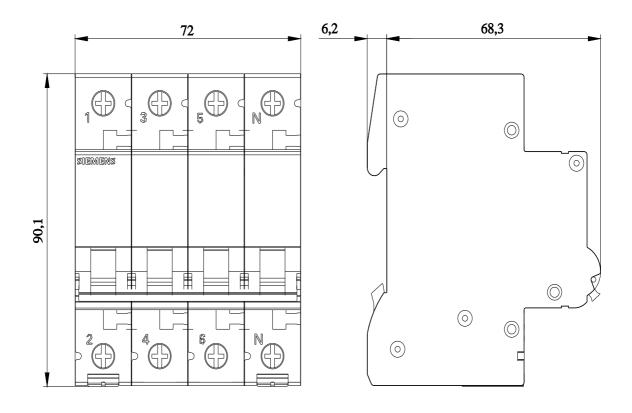
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6650-7

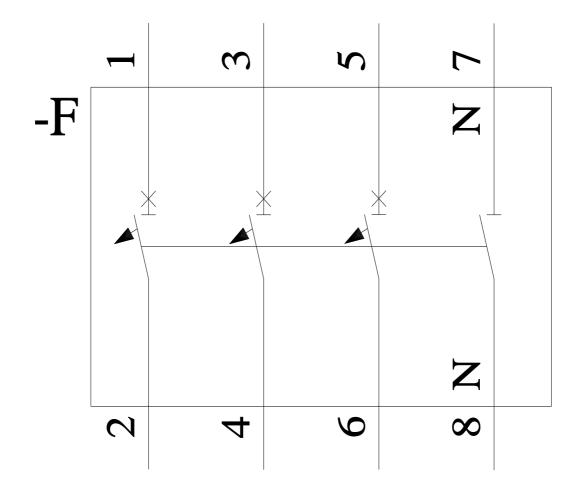
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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5SL66 Page	