SIEMENS

Data sheet 5SL6440-7



Miniature circuit breaker 400 V 6kA, 4-pole, C, 40 A

product brand name SENTRON product designation Miniature circuit breaker General technical data number of poles 4 design of pole 4P tripping characteristic class C mechanical service life (operating cycles) typical 10 000 overvoltage category III degree of pollution 2 Vottage Type of voltage of the operating voltage AC insulation voltage (II) • with multi-phase operation at AC rated value 440 V Supply voltage of the supply voltage frequency 50/60 Hz operating voltage • with multi-phase operation at AC maximum 440 V • at Designation voltage (II) • at Cated value maximum 72 V Protection class IP Systething capacity switching capacity switching capacity current • according to EK 60987 rated value 6 kA • according to EK 60987 rated value 6 kA • according to EK 60947 rated value 6 kA energy limitation class Dissipation Dower loss [W] for rated value of the current at AC in hot operating state per pole sultability for peration Product details product feature • halogen-free 9 Yes • sealable Yes • sealable Yes • sillicon-free Yes product etable conductor cross-section solid • minimum 0,75 mm*		
product designation Miniature circuit breaker General technical data number of poles 4 design of pole 4P tripping characteristic class C mechanical service life (operating cycles) typical 10 000 overvoltage category III degree of pollution 2 Vytatage Vyte of voltage of the operating voltage AC insulation voltage (III) • with multi-phase operation at AC rated value 440 V Supply voltage 50/80 Hz Operating voltage • with multi-phase operation at AC maximum 440 V • at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity current • according to EN 60898 rated value 6 kA • according to EC 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 slate per pole suitability for operation Residential buildings/infrastructure Product details product feature • halogen-free 4 Yes • sealable 4 Yes • sealable 5 Yes • sealable 5 Yes • sellicon-free 7 Yes product extension installable supplementary devices 7 Yes connectable conductor cross-section solid	Model	
General technical data number of poles		
number of poles		Miniature circuit breaker
design of pole 4P tripping characteristic class C 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 440 V subur range of the supply voltage frequency 50/60 Hz operating voltage • with multi-phase operation at AC maximum 440 V operating voltage • with multi-phase operation at AC maximum 72 V Protection class Protection class IP IP20, with connected conductors Switching capacity current • according to EN 60388 rated value 6 kA • according to EN 60388 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-0 Residential buildings/infrastructure Product details product feature • halogen-free 7es • sealable 7es • sealable 7es • sealable 7es • sealable 7es • ves • sealable 9es • ves • connectable conductor cross-section solid	General technical data	
tripping characteristic class C mechanical service life (operating cycles) typical 10 000 overvoltage category III degree of pollution 2 Voltage ype 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 440 V voltage 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 IP Switching capacity switching capacity current • according to IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA • according to IE	number of poles	4
mechanical service life (operating cycles) typical overvoltage category degree of pollution 2 Vyotage type of voltage of the operating voltage AC insulation voltage (UI) • with multi-phase operation at AC rated value supply voltage supply voltage at AC rated value 440 V Supply voltage supply voltage at AC rated value 440 V active range of the supply voltage frequency operating voltage • with multi-phase operation at AC maximum 440 V • at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity current • according to EN 60989 rated value • according to EC 60947-2 rated value energy limitation class 3 Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole sultability for operation Product details product details product feature • halogen-free • sealable • yes • sealable • yes • sealable • yes • sealable operation stallable supplementary devices Connectable conductor cross-section solid	design of pole	4P
overvoltage category degree of pollution 2 Voltage type of voltage of the operating voltage insulation voltage (Ui) • with multi-phase operation at AC rated value 3upply voltage supply voltage at AC rated value 440 V Voltage at AC rated value 440 V value range of the supply voltage frequency 50/60 Hz operating voltage • with multi-phase operation at AC maximum 72 V Protection class protection class IP Switching capacity current • according to EN 60898 rated value • according to EN 60898 rated value • according to EC 60947-2 rated value • according to EC 60947-2 rated value • according to Ex 60898 rated value • according to Ex 60898 rated value • according to Ex 60988 rated value • according to Ex 60987-2 rated value • Residential buildings/infrastructure Product details product feature • halogen-free • sealable • sealable • ves • sealable • ves • sealable • ves • sealable conductor cross-section solid	tripping characteristic class	С
degree of pollution 2 Voltage type of voltage of the operating voltage 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 energy limitation class 3 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 Yes • sealable Yes • sealable Yes • silicon-free Yes product extension installable supplementary devices Connectable conductor cross-section solid	mechanical service life (operating cycles) typical	10 000
Voltage bype of voltage of the operating voltage type of voltage of the operating voltage insulation voltage (Ui) • with multi-phase operation at AC rated value **Supply voltage** **supply voltage at AC rated value **supply voltage at AC rated value **supply voltage at AC rated value **with multi-phase operation at AC maximum **at DC rated value maximum **72 V **Protection class **protection class IP **Switching capacity current **according to EN 60898 rated value **according to EN 60998 rated value **accordin	overvoltage category	III
type of voltage of the operating voltage insulation voltage (Ui) • with multi-phase operation at AC rated value supply voltage supply voltage at AC rated value 440 V value range of the supply voltage frequency operating voltage • with multi-phase operation at AC maximum • at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity switching capacity current • according to EN 60898 rated value • according to EC 60947-2 rated value energy limitation class Dissipation Dispation Switching capacity Residential buildings/infrastructure Product details Froduct details product feature • halogen-free • sealable • sealable • seilicon-free product extension installable supplementary devices Connectable conductor cross-section solid	degree of pollution	2
insulation voltage (Ui) • with multi-phase operation at AC rated value supply voltage supply voltage at AC rated value 440 V value range of the supply voltage frequency operating voltage • with multi-phase operation at AC maximum 440 V • at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity switching capacity current • according to IEC 60947-2 rated value • according to IEC 60947-2 rated value energy limitation class 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 • sealable • silicon-free • sealable • silicon-free • sealable yes product extension installable supplementary devices Connections connectable conductor cross-section solid	Voltage	
with multi-phase operation at AC rated value Supply voltage supply voltage at AC rated value value range of the supply voltage frequency operating voltage with multi-phase operation at AC maximum at DC rated value maximum Protection class protection class IP Switching capacity switching capacity current according to EN 60898 rated value according to EC 60947-2 rated value f kA according to IEC 60947-2 rated value f kA sacording to IEC 60947-2 rated value f kA 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 selable silicon-free ves sealable silicon-free ves product extension installable supplementary devices Connections connectable conductor cross-section solid	type of voltage of the operating voltage	AC
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 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 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 details product feature • halogen-free Yes • sealable • silicon-free Yes product extension installable supplementary devices Yes Connections connectable conductor cross-section solid	insulation voltage (Ui)	
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value range of the supply voltage • with multi-phase operation at AC maximum • at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity current • according to EN 60898 rated value • according to EC 60947-2 rated value energy limitation class Dissipation power loss [W] 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 • sealable • silicon-free product extension installable supplementary devices Connections connectable conductor ross-section solid	Supply voltage	
operating voltage • with multi-phase operation at AC maximum • at DC rated value maximum 72 V Protection class protection class IP Switching capacity switching capacity current • according to EN 60898 rated value • according to IEC 60947-2 rated value • 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 suitability for operation Residential buildings/infrastructure Product details product feature • halogen-free • sealable • sealable • silicon-free	supply voltage at AC rated value	400 V
with multi-phase operation at AC maximum 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 according to IEC 60947-2 rated value according to EN 60898 rate	value range of the supply voltage frequency	50/60 Hz
at DC rated value maximum rotection class protection class IP IP20, with connected conductors Switching capacity switching capacity current according to EN 60898 rated value according to IEC 60947-2 rated value ac	operating voltage	
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 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	 with multi-phase operation at AC maximum 	440 V
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 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	 at DC rated value maximum 	72 V
Switching capacity switching capacity current • according to EN 60898 rated value • 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 suitability for operation Product details product feature • halogen-free • sealable • sealable • silicon-free product extension installable supplementary devices Connections connectable conductor cross-section solid	Protection class	
switching capacity current • according to EN 60898 rated value • 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 suitability for operation Product details product feature • halogen-free • sealable • sealable • silicon-free product extension installable supplementary devices Connections connectable conductor cross-section solid	protection class IP	IP20, with connected conductors
according to EN 60898 rated value according to IEC 60947-2 rated value energy limitation class 3 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 connectable conductor cross-section solid 6 kA	Switching capacity	
according to IEC 60947-2 rated value energy limitation class 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 3.3 W Residential buildings/infrastructure Yes Yes Yes Yes Yes Yes Connections	switching capacity current	
energy limitation class 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 • sealable • silicon-free product extension installable supplementary devices Connections connectable conductor cross-section solid	 according to EN 60898 rated value 	6 kA
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
power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Residential buildings/infrastructure Product details product feature	energy limitation class	3
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	Dissipation	
Product details product feature • halogen-free • sealable • silicon-free product extension installable supplementary devices Connections connectable conductor cross-section solid		3.3 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
halogen-free sealable sealable silicon-free Yes product extension installable supplementary devices Connections connectable conductor cross-section solid Yes Yes Yes	Product details	
sealable silicon-free Yes product extension installable supplementary devices Connections connectable conductor cross-section solid Yes Yes	product feature	
• silicon-free Yes product extension installable supplementary devices Yes Connections connectable conductor cross-section solid	• 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
connectable conductor cross-section solid	product extension installable supplementary devices	Yes
	Connections	
● minimum 0.75 mm²	connectable conductor cross-section solid	
	• minimum	0.75 mm ²

25 mm²	
0.75 mm²	
25 mm²	
0.75 mm ²	
25 mm²	
2.5 N·m	
3 N·m	
90 mm	
72 mm	
76 mm	
70 mm	
4	
any	
590 g	
-25 °C	
45 °C	
-40 °C	
75 °C	
Approvals Certificates	

CEBEC)

General Product Approval

Confirmation







Declaration of Conformity



 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=5SL6440-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6440-7

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

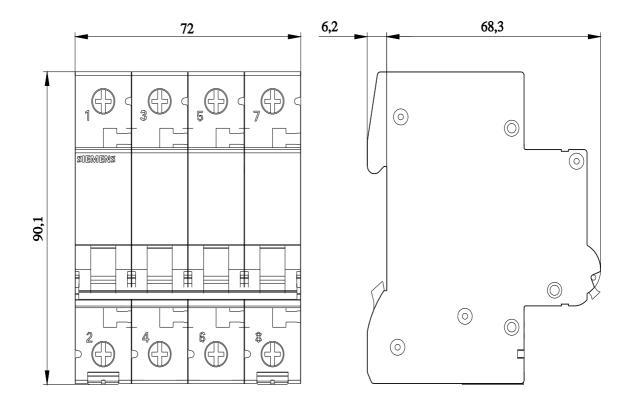
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6440-7

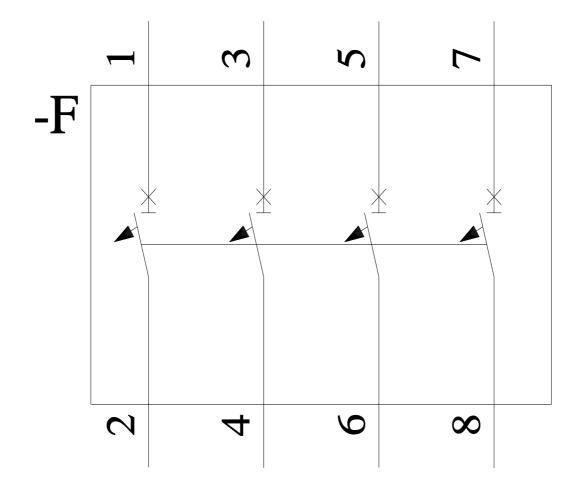
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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