## **SIEMENS**

Data sheet 5SL6240-7



Miniature circuit breaker 400 V 6kA, 2-pole, C, 40 A

product brand name SENTRON product designation Ministure circuit breaker  General technical data  number of poles 2 design of pole 2P 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) AIV with multi-phase operation at AC rated value 440 V Supply voltage Supply voltage and AC rated value 440 V Supply voltage AC rated value 440 V Supply voltage at AC rated value 440 V Supply voltage for the supply voltage frequency 50/60 Hz operating voltage AC rated value 440 V  Protection class IP Protection class IP Protection class IP Switching capacity switching capacity switching capacity switching capacity switching capacity current Ac Colorate value 6 kA 6 Ac According to EN 60987 at ad value 6 kA 6 According to EN 60987 at ad value 6 kA 6 According to EN 60987-2 rated value 6 kA 6 According to EN 60987-2 rated value 7 kB AC	Model	
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) typical 10 000 overvoltage category III degree of pollution 2 Voltage Type of voltage of the operating voltage AC insulation voltage (II) • with multi-phase operation at AC rated value 440 V  Supply voltage 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  Switching capacity current • according to EN 60988 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 dealis  product feature • halogen-free Yes • sealable • silicon-free Yes • sealable • silicon-free Yes • product extension installable supplementary devices  Connections  connectable conductor cross-section solid	Model	OFNITOON
Contral technical data  number of poles 2 design of pole 2P 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 at AC rated value 440 V  value range of the supply voltage frequency 50/60 Hz operating voltage at AC rated value 440 V  value range of the supply voltage frequency 50/60 Hz  operating voltage at AC rated value 440 V  value range of the supply voltage frequency 50/60 Hz  operating voltage at AC rated value 72 V  Protection class IP  Switching capacity switching capacity switching capacity switching capacity current  according to EN 60898 rated value 6 kA  according to EN 60898 rated value 6 kA  energy limitation class  Dissipation  power loss [M] 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 sealable Yes selable silicon-free product extension installable supplementary devices Connections  connectable conductor cross-section solid		
number of poles design of pole 2P 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 Insulation voltage (III) • with multi-phase operation at AC rated value 440 V  Supply voltage  supply 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 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 • according to For rated value of the current at AC in hot operating state per pole sultability for operation  Product details  product feature • halogen-free • sealable • silicon-free • yes  Connectable conductor cross-section solid		Miniature circuit breaker
design of pole 2P 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 440 V supply volta		
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  supply voltage Supply voltage 50/60 Hz  operating voltage + with multi-phase operation at AC maximum 440 V  • at DC rated value maximum 72 V  Protection class IP IP20, with connected conductors  Switching capacity switching capacity current • according to IEC 60947-2 rated value 6 kA  • a cacording to IEC 60947-2 rated value 6 kA  • according to IEC 60947-2 rated value 6 kA  suitability for operation Pole 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	·	
mechanical service life (operating cycles) typical overvoltage category degree of pollution 2  type of voltage of the operating voltage 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 at AC rated value  yoperating 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 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  Product details product details product feature • halogen-free • sealable • sealable • yes • sealable • yes • sealable • yes • sealable oppose the first product experience of the surplementary devices  Connectable conductor cross-section solid	design of pole	
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  supply voltage  supply voltage  supply voltage at AC rated value  440 V  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 current  • according to EN 60898 rated value  • according to EN 60898 rated value  energy limitation class  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  • sealable  • sealable  • sealable  • sealable  • sealors  Connectable conductor ross-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  • according to EN 608947-2 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 Yes  • sealable Yes  • sealable Yes  • sealable Yes  • sealouctors  Connectable conductor cross-section solid	mechanical service life (operating cycles) typical	10 000
Voltage bype 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 72 V  Protection class IP IP20, with connected conductors  Switching capacity  switching capacity current  • according to IEC 60947-2 rated value 6 kA  energy limitation class  Dissipation  Dower loss IWI 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  product extension installable supplementary devices  Connectable conductor cross-section solid	overvoltage category	
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 power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation  Product details  Product details  • sealable • sealable • sealable • seilicon-free • yes 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  400 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 current • according to EC 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 • silicon-free • sealable onductor 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     value range of value maximum     value range of value maximum     value range of value maximum     value value maximum     value range of value maximum     value value value value     value value value value     value value value     value value value     value value value     value value value     value value value     value value value     value value value     value value value     value value value     value value value     value value value value     value value value value     value value value value value     value value value value value     value value value value value     value value value value value value     value valu	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 [VI] 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)	
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  switching capacity current • according to EN 60998 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	<ul> <li>with multi-phase operation at AC rated value</li> </ul>	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 IEC 60947-2 rated value 6 kA • according to IEC 60947-2 rated value 6 kA 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 • yes product extension installable supplementary devices  Connections connectable conductor cross-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 • fo kA  • according to IEC 60947-2 rated value  fo kA  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 details  product feature  • halogen-free • sealable • sealable • sealable • yes • silicon-free  Product extension installable supplementary devices  Connections  connectable conductor cross-section solid	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  • sellicon-free Yes  product extension installable supplementary devices Yes  Connections  connectable conductor cross-section solid	<ul> <li>with multi-phase operation at AC maximum</li> </ul>	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	<ul> <li>at DC rated value maximum</li> </ul>	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 • halogen-free • 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  Connectable conductor cross-section solid  8 kA  3	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	<ul> <li>according to EN 60898 rated value</li> </ul>	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	<ul> <li>according to IEC 60947-2 rated value</li> </ul>	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  • halogen-free • sealable • silicon-free  Product extension installable supplementary devices  Connections  connectable conductor cross-section solid	energy limitation class	3
operating state per pole suitability for operation  Product details  product feature  • halogen-free • sealable • selicon-free  • silicon-free  product extension installable supplementary devices  Connections  connectable conductor cross-section solid	Dissipation	
Product details  product feature  • halogen-free Yes • sealable Yes • silicon-free Yes  product extension installable supplementary devices Yes  Connections  connectable conductor cross-section solid		3.3 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
<ul> <li>halogen-free</li> <li>sealable</li> <li>silicon-free</li> <li>yes</li> <li>product extension installable supplementary devices</li> <li>Connections</li> <li>connectable conductor cross-section solid</li> </ul>	Product details	
sealable     silicon-free     Yes  product extension installable supplementary devices  Connections  connectable conductor cross-section solid  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		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 mm <sup>2</sup>	
• maximum	25 mm²	
connectable conductor cross-section finely stranded with core end processing		
• minimum	0.75 mm <sup>2</sup>	
• maximum	25 mm²	
tightening torque with screw-type terminals		
• minimum	2.5 N·m	
• maximum	3 N·m	
Mechanical 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	
Environmental conditions		
ambient temperature during operation		
• minimum	-25 °C	
• maximum	45 °C	
ambient temperature during storage		
• minimum	-40 °C	
• maximum	75 °C	
General Product Approval		Declaration of Conformity



Confirmation









other Environment

<u>Miscellaneous</u> <u>Confirmation</u> <u>Environmental Confirmations</u>

## Further information

Siemens has decided to exit the Russian market (see here).

 $\underline{\text{https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business}}$ 

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=5SL6240-7

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6240-7

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

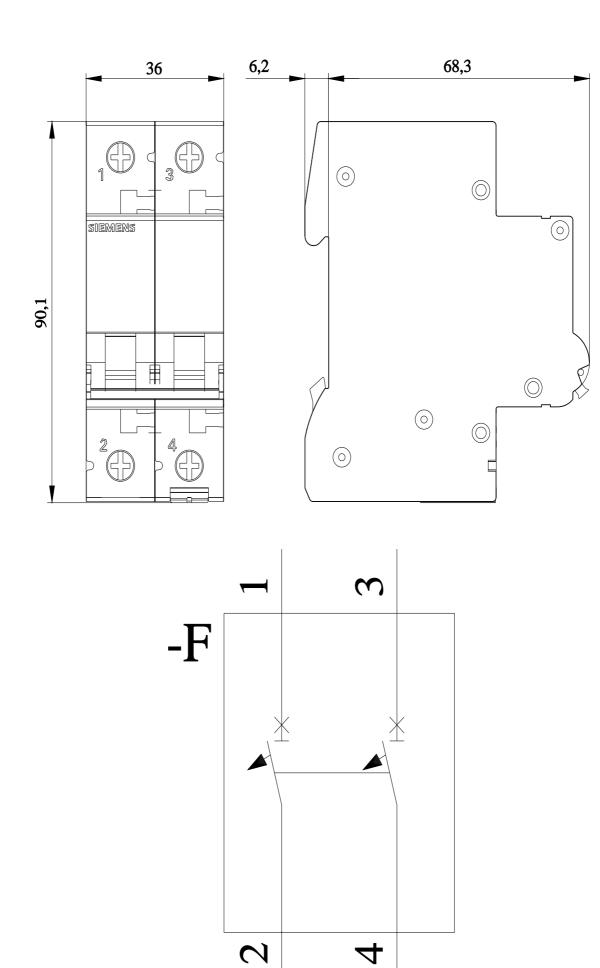
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6240-7

**CAx-Online-Generator** 

http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications



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