## SIEMENS

## Data sheet

## 5SL6540-6YA



Miniature circuit breaker 230 V 6kA, 1-pole+N, B, 40 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	В
mechanical service life (switching cycles) typical	10 000
overvoltage category	
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui)	
<ul> <li>with single-phase operation at AC rated value</li> </ul>	250 V
Supply voltage	
supply voltage at AC rated value	230 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
<ul> <li>at DC rated value maximum</li> </ul>	72 V
Protection class	
protection class IP	IP20 with distribution board cover
Switching capacity	
switching capacity current	
<ul> <li>according to EN 60898 rated value</li> </ul>	6 kA
energy limitation class	3
Current	
operational current	
<ul> <li>at 30 °C rated value</li> </ul>	40 A
<ul> <li>at 40 °C rated value</li> </ul>	0.95 A
<ul> <li>at 45 °C rated value</li> </ul>	36.8 A
<ul> <li>at AC rated value</li> </ul>	40 A
suitability for operation	Residential buildings/infrastructure
Product details	
product feature	
<ul> <li>halogen-free</li> </ul>	Yes
sealable	Yes
<ul> <li>silicon-free</li> </ul>	N/
	Yes
product extension installable supplementary devices	Yes No

• minimum	0.75 mm <sup>2</sup>
• maximum	25 mm <sup>2</sup>
connectable conductor cross-section stranded • minimum	0.75 mm <sup>2</sup>
	25 mm <sup>2</sup>
maximum	25 mm-
connectable conductor cross-section finely stranded with core end processing	
• minimum	0.75 mm <sup>2</sup>
• maximum	25 mm <sup>2</sup>
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
Certificates	
reference code	
<ul> <li>according to EN 61346-2</li> </ul>	F
<ul> <li>according to IEC 81346-2</li> </ul>	F
General Product Approval	other
	Miscellaneous Environmental Con- firmations
VDE	

## Further information

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=5SL6540-6YA

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

https://support.industry.siemens.com/cs/ww/en/ps/5SL6540-6YA

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

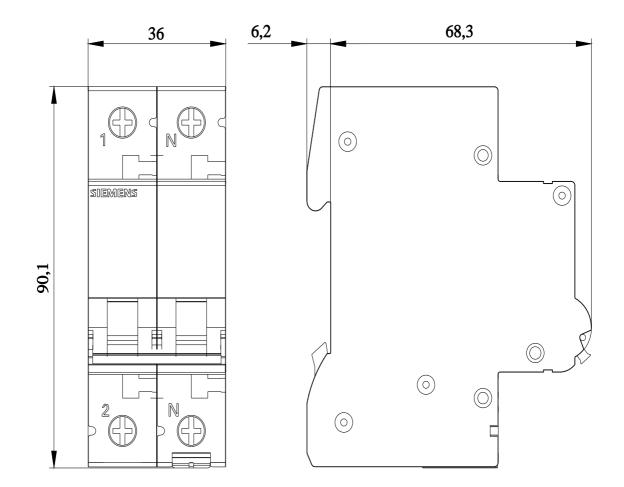
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6540-6YA

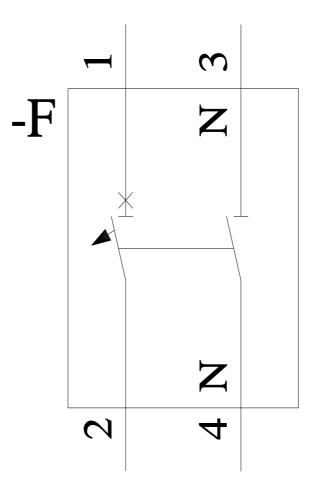
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications





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