## SIEMENS

## Data sheet

## 5SL6540-7



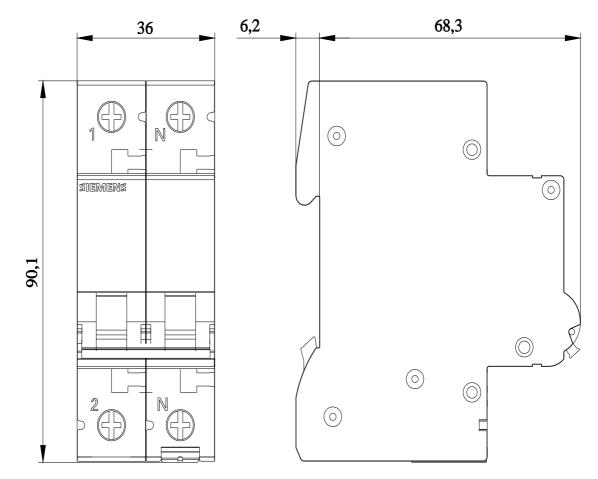
Miniature circuit breaker 230 V 6kA, 1+N-pole, C, 40 A

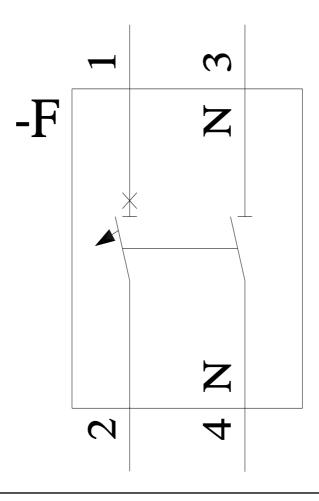
Model			
product brand name	SENTRON		
product designation	Miniature circuit breaker		
General technical data			
number of poles	2		
design of pole	1P+N		
tripping characteristic class	C		
mechanical service life (switching cycles) typical	10 000		
overvoltage category	III		
degree of pollution	2		
Voltage			
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 connected conductors		
Switching capacity			
switching capacity current			
<ul> <li>according to EN 60898 rated value</li> </ul>	6 kA		
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	6 kA		
energy limitation class	3		
Dissipation			
power loss [W] for rated value of the current at AC in hot operating state per pole	3.3 W		
Current			
operational current			
<ul> <li>at 30 °C rated value</li> </ul>	40 A		
<ul> <li>at 40 °C rated value</li> </ul>	37.57 A		
<ul> <li>at 45 °C rated value</li> </ul>	36.8 A		
• at 55 °C rated value	33.61 A		
<ul> <li>at AC rated value</li> </ul>	40 A		
suitability for operation	Residential buildings/infrastructure		
Product details			
Product details product feature			

sealable	Yes		
silicon-free	Yes		
product extension installable supplementary devices	Yes		
Connections			
connectable conductor cross-section solid			
• minimum	0.75 mm²		
• maximum	25 mm <sup>2</sup>		
connectable conductor cross-section stranded			
• minimum	0.75 mm²		
• maximum	25 mm <sup>2</sup>		
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	45.90		
	45 °C		
	45 °C		
<ul><li>ambient temperature during storage</li><li>minimum</li></ul>	-40 °C		
ambient temperature during storage			
ambient temperature during storage • minimum • maximum	-40 °C		
<ul><li>ambient temperature during storage</li><li>minimum</li></ul>	-40 °C		
ambient temperature during storage <ul> <li>minimum</li> <li>maximum</li> </ul> <li>Certificates <ul> <li>reference code</li> </ul></li>	-40 °C		
ambient temperature during storage <ul> <li>minimum</li> <li>maximum</li> </ul> Certificates	-40 °C 75 °C		
ambient temperature during storage • minimum • maximum Certificates reference code • according to EN 61346-2 • according to IEC 81346-2	-40 °C 75 °C F	Declaration of Confor	rmity
ambient temperature during storage <ul> <li>minimum</li> <li>maximum</li> </ul> <li>Certificates <ul> <li>reference code</li> <li>according to EN 61346-2</li> </ul></li>	-40 °C 75 °C F	Declaration of Confor	rmity
ambient temperature during storage • minimum • maximum Certificates reference code • according to EN 61346-2 • according to IEC 81346-2	-40 °C 75 °C F F		
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ambient temperature during storage • minimum • maximum Certificates reference code • according to EN 61346-2 • according to IEC 81346-2 General Product Approval	-40 °C 75 °C F F	CE	
ambient temperature during storage • minimum • maximum Certificates reference code • according to EN 61346-2 • according to IEC 81346-2 General Product Approval	-40 °C 75 °C F F	CE	
<ul> <li>ambient temperature during storage</li> <li>minimum</li> <li>maximum</li> </ul> Certificates reference code <ul> <li>according to EN 61346-2</li> <li>according to IEC 81346-2</li> </ul> General Product Approval Confirmation VDE Other	-40 °C 75 °C F F	CE	
ambient temperature during storage • minimum • maximum <b>Certificates</b> reference code • according to EN 61346-2 • according to IEC 81346-2 <b>General Product Approval</b> Confirmation • UNE • Other Miscellaneous • minimum • minimum • minimum • minimum • maximum • minimum • maximum •	-40 °C 75 °C F F	CE	
<ul> <li>ambient temperature during storage</li> <li>minimum</li> <li>maximum</li> </ul> Certificates reference code <ul> <li>according to EN 61346-2</li> <li>according to IEC 81346-2</li> </ul> General Product Approval Confirmation VDE Other	-40 °C 75 °C F F	CE	

## 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=5SL6540-7 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6540-7 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6540-7 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications





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