## SIEMENS

## Data sheet

## 5SL6250-7



Miniature circuit breaker 400 V 6kA, 2-pole, C, 50 A

Model		
product brand name	SENTRON	
product designation	Miniature circuit breaker	
General technical data		
number of poles	2	
number of poles / note	2P	
tripping characteristic class	С	
mechanical service life (operating cycles) / typical	10 000	
overvoltage category	III	
degree of pollution	2	
Voltage		
insulation voltage		
<ul> <li>with multi-phase operation / at AC / rated value</li> </ul>	440 V	
Supply voltage		
type of voltage	AC	
supply voltage / at AC / rated value	400 V	
operating voltage		
<ul> <li>with multi-phase operation / at AC / maximum</li> </ul>	440 V	
<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>acc. to EN 60898 / rated value</li> </ul>	6 kA	
<ul> <li>acc. 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	3.8 W	
Current		
operational current		
• at 30 °C / rated value	50 A	
• at 40 °C / rated value	46.97 A	
<ul> <li>at 45 °C / rated value</li> </ul>	45 A	
• at 55 °C / rated value	42.01 A	
• at AC / rated value	50 A	
suitability for operation	Residential buildings/infrastructure	

Product details	
product function / neutral conductor switching	No
product feature / touch protection	Yes
product feature	
• halogen-free	Yes
• sealable	Yes
• silicon-free	Yes
product extension / installable / supplementary devices	Yes
Connections	
connectable conductor cross-section / solid	
• minimum	0.75 mm <sup>2</sup>
• 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 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	310 g
Environmental conditions	510 9
influence of the surrounding temperature	Periodically +55°C, max. 95% humidity
ambient temperature / during operation	renotically 133 C, max. 3376 numbers
minimum	-25 °C
• maximum	45 °C
	43 0
ambient temperature / during storage <ul> <li>minimum</li> </ul>	-40 °C
	-40 C 75 °C
maximum Certificates	
reference code	F
• acc. to DIN EN 61346-2	F
• acc. to IEC 81346-2	F
General Product Approval	Declaration of Conformity
	C E EG-Konf.

## **Further information**

Information- and Downloadcenter (Catalogs, Brochures,...)

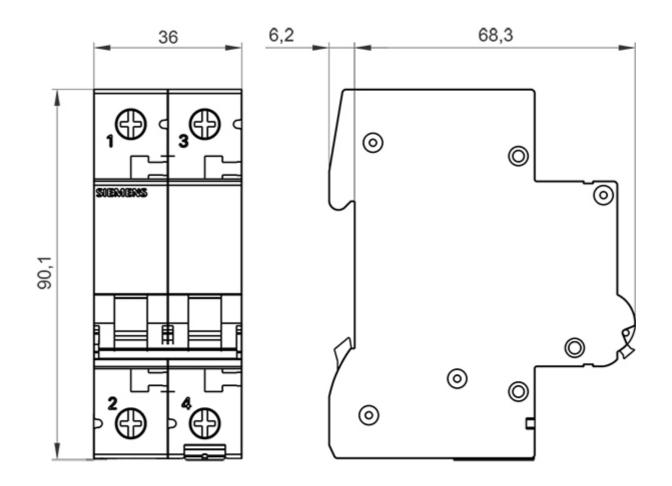
http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6250-7

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL6250-7

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6250-7



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