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		
design of the product	5SL miniature circuit breakers		
General technical data			
number of poles	2		
number of poles / note	2P		
tripping characteristic class	С		
mechanical service life (switching cycles) / typical	10 000		
overvoltage category	III		
degree of pollution	2		
Voltage			
insulation voltage			
with multi-phase operation / at AC / rated value	440 V		
Supply voltage			
type of voltage	AC		
operational current / at AC / rated value	50 A		
supply voltage / at AC / rated value	400 V		
operating voltage			
with multi-phase operation / at AC / maximum	440 V		
at DC / rated value / maximum	72 V		
supply voltage frequency			
rated value	50 Hz		
Protection class			
protection class IP	IP20, with connected conductors		
Switching capacity			
switching capacity current			
acc. to EN 60898 / rated value	6 kA		
acc. 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	3.8 W		
suitability for operation	Residential buildings/infrastructure		
Product details			
product function / neutral conductor switching	No		
product feature / touch protection	Yes		

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product feature				
halogen-free	Yes	Yes		
• sealable	Yes	Yes		
• silicon-free	Yes	Yes		
product extension / installable / supplementary devices	Yes			
Connections				
connectable conductor cross-section / solid				
• minimum	0.75 r	0.75 mm²		
maximum	25 mr	25 mm²		
connectable conductor cross-section / stranded				
• minimum	0.75 r	0.75 mm²		
• maximum	25 mr	25 mm²		
connectable conductor cross-section / finely stranded / with core end processing				
• minimum	0.75 r	0.75 mm²		
• maximum	25 mm²			
tightening torque / with screw-type terminals				
• minimum	2.5 N	2.5 N·m		
• maximum	3 N·m			
Mechanical Design				
height	90 mr	n		
width	36 mr	36 mm		
depth	76 mr	76 mm		
installation depth	70 mr	70 mm		
number of modular width units	2	2		
mounting position	any	any		
net weight	310 g			
Environmental conditions				
influence of the surrounding temperature	Perio	Periodically +55°C, max. 95% humidity		
ambient temperature				
• minimum	-25 °C	-25 °C		
maximum	45 °C	45 °C		
ambient temperature / during storage				
• minimum	-40 °C	-40 °C		
• maximum	75 °C	75 °C		
Certificates				
reference code				
• acc. to DIN EN 61346-2	F	F		
• acc. to IEC 81346-2	F			
General Product Approval		Declaration of Conformity		









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

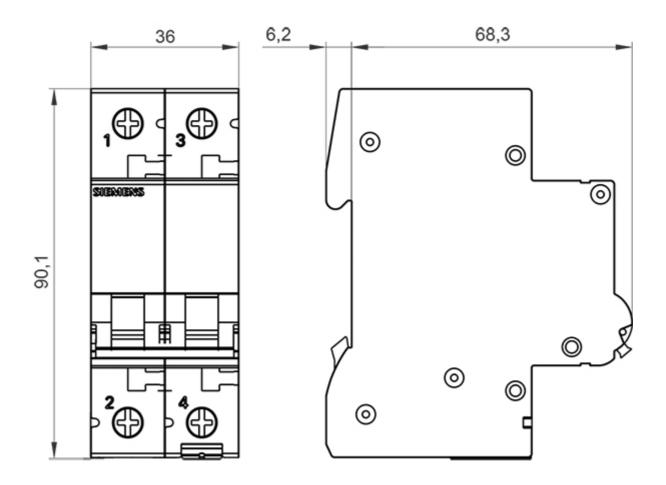
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6250-7

Tender specifications

http://www.siemens.com/specifications





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