## SIEMENS

## Data sheet

## 5SL6425-7

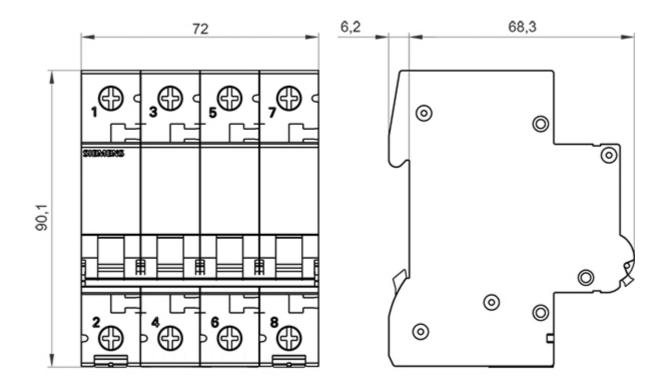


Miniature circuit breaker 400 V 6kA, 4-pole, C, 25A

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	4
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	
<ul> <li>with multi-phase operation / at AC / rated value</li> </ul>	440 V
Supply voltage	
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	
Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.6 W
power loss [W] / for rated value of the current / at AC / in	2.6 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.6 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current	2.6 W 25 A
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value	25 A
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value	25 A 23.79 A
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value	25 A 23.79 A 23 A 21.85 A 25 A
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current • at 30 °C / rated value • at 40 °C / rated value • at 45 °C / rated value • at 55 °C / rated value	25 A 23.79 A 23 A 21.85 A

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product function / neutral conductor switching	No		
product feature / touch protection	Yes		
product feature			
<ul> <li>halogen-free</li> </ul>	Yes		
• sealable	Yes		
silicon-free	Yes		
product extension / installable / supplementary devices	Yes		
Connections			
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 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		
Nechanical Design			
	90 mm		
height width	72 mm		
depth	76 mm		
· · ·	70 mm		
installation depth number of modular width units			
	4		
mounting position	any		
net weight	470 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			
• acc. to DIN EN 61346-2	F		
• acc. to IEC 81346-2	F		
General Product Approval		Declaration of Conformity	other
	EAC	CE EG-Konf.	<u>Miscellaneous</u>
CEBEC VDE		eo-Aonr.	

Information- and Download http://www.siemens.com/low	dcenter (Catalogs, Brochures,) voltage/catalogs	
Industry Mall (Online order https://mall.industry.siemens	ring system) .com/mall/en/en/Catalog/product?mlfb=5SL6425-7	
	e, Certificates, Characteristics, FAQs,) ens.com/cs/ww/en/ps/5SL6425-7	
	mages, 2D dimension drawings, 3D models, device circuit diagrams,) ens.com/bilddb/cax_en.aspx?mlfb=5SL6425-7	
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