## **SIEMENS**

Data sheet 5SL6440-7



Miniature circuit breaker 400 V 6kA, 4-pole, C, 40 A

Model		
product brand name	SENTRON	
product designation	Miniature circuit breaker	
General technical data	Williature official predict	
number of poles	- <sup>4</sup> C	
tripping characteristic class		
mechanical service life (switching cycles) / typical	10 000	
overvoltage category	2	
degree of pollution	2	
Voltage	10	
type of voltage / of the operating voltage	AC	
insulation voltage	440.14	
with multi-phase operation / at AC / rated value	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	
at DC / rated value / maximum	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	
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	3.3 W	
	3.3 W	
hot operating state / per pole	3.3 W	
hot operating state / per pole  Current	3.3 W 40 A	
hot operating state / per pole  Current  operational current		
hot operating state / per pole  Current  operational current  • at 30 °C / rated value	40 A	
hot operating state / per pole  Current  operational current  • at 30 °C / rated value  • at 40 °C / rated value	40 A 38.07 A	
hot operating state / per pole  Current  operational current  • at 30 °C / rated value  • at 40 °C / rated value  • at 45 °C / rated value	40 A 38.07 A 36.8 A	
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	40 A 38.07 A 36.8 A 34.97 A	

	NI-				
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 mm²				
connectable conductor cross-section / stranded					
• minimum	0.75 mm <sup>2</sup>				
• maximum	25 mm²				
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	72 mm				
depth	76 mm				
installation depth	70 mm				
number of modular width units	4				
mounting position	any				
net weight	590 g				
Environmental conditions					
ambient temperature / during operation					
• minimum	-25 °	-25 °C			
maximum	45 °C	45 °C			
ambient temperature / during storage					
• minimum	-40 °	-40 °C			
	75 °C				
<ul><li>maximum</li></ul>	/5 C	<i>j</i>			
maximum  Certificates	75 (	,			
	75 (				
Certificates	75 C	,			
Certificates reference code		<i>;</i>			









**Miscellaneous** 

## Further information

 $Information-\ and\ Download center\ (Catalogs,\ Brochures,...)$ 

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6440-7

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

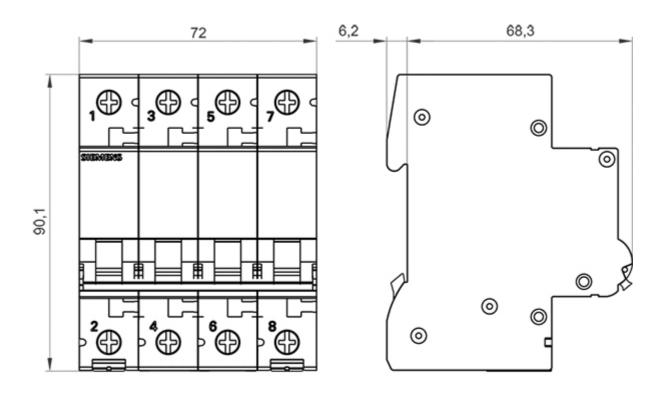
https://support.industry.siemens.com/cs/ww/en/ps/5SL6440-7

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL6440-7

**CAx-Online-Generator** 

http://www.siemens.com/cax



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