## **SIEMENS**

Data sheet 5SL4432-0RC



Miniature Circuit Breaker 32A 4-pole Z characteristic 10kA

Model			
product brand name	Betagard		
product designation	Miniature circuit breaker		
General technical data			
number of poles	4		
design of pole	4P		
tripping characteristic class	Z		
mechanical service life (operating cycles)			
• typical	8 500		
overvoltage category	III		
degree of pollution	3		
Voltage			
type of voltage of the operating voltage	AC		
type of voltage	Use only in alternating current or direct current circuits. Mixed use is not permitted.		
insulation voltage (Ui)			
<ul> <li>with single-phase operation at AC rated value</li> </ul>	440 V		
<ul> <li>with multi-phase operation at AC rated value</li> </ul>	440 V		
operational current			
• at 30 °C rated value	35.8 A		
<ul> <li>at 40 °C rated value</li> </ul>	34 A		
<ul> <li>at 50 °C rated value</li> </ul>	32 A		
• at 55 °C rated value	31 A		
<ul> <li>at 60 °C rated value</li> </ul>	29.9 A		
at AC rated value	32 A		
Supply voltage			
supply voltage at AC	415 V		
value range of the supply voltage frequency	50/60 Hz		
operating voltage			
<ul> <li>with multi-phase operation at AC maximum</li> </ul>	440 V		
<ul> <li>at DC rated value maximum</li> </ul>	62.5 V		
•	The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V		
Protection class			
protection class IP	IP20, with connected conductors		
Breaking Capacity			
switching capacity current			
<ul> <li>according to EN 60898 rated value</li> </ul>	10 kA		
<ul> <li>according to IEC 60947-2 rated value</li> </ul>	10 kA		
energy limitation class	NA		

Product details							
product feature touch protection		Yes					
product component neutral conductor switching		No					
product feature							
<ul> <li>halogen-free</li> </ul>		Yes					
• sealable		Yes					
• silicon-free		Yes					
product extension installable supplementary device	ces	Yes					
Connections							
connectable conductor cross-section solid							
• minimum		0.75 m	nm²				
maximum		25 mm	1 <sup>2</sup>				
connectable conductor cross-section stranded							
• minimum		0.75 m	nm²				
maximum		25 mm	l <sup>2</sup>				
connectable conductor cross-section finely strandend processing	led with core						
• minimum		0.75 m	nm²				
maximum		25 mm	$1^2$				
tightening torque with screw-type terminals							
• minimum		2.5 N·ı	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		598 g					
Environmental conditions							
vibration resistance according to IEC 60068-2-6		50 m/s² at 25 to 150 Hz					
ambient temperature during storage							
• minimum		-40 °C					
maximum		75 °C					
Approvals Certificates							
General Product Approval	Test Certificates	3	other		Environment		
Confirmation	Miscellaneous	<u> </u>	Miscellaneous	Confirmation	Environmental Con- firmations		



## Environment

**Environmental Confirmations** 

## Further information

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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=5SL4432-0RC

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

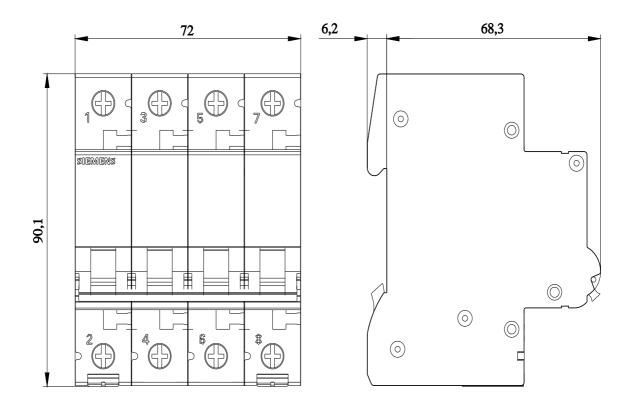
https://support.industry.siemens.com/cs/ww/en/ps/5SL4432-0RC

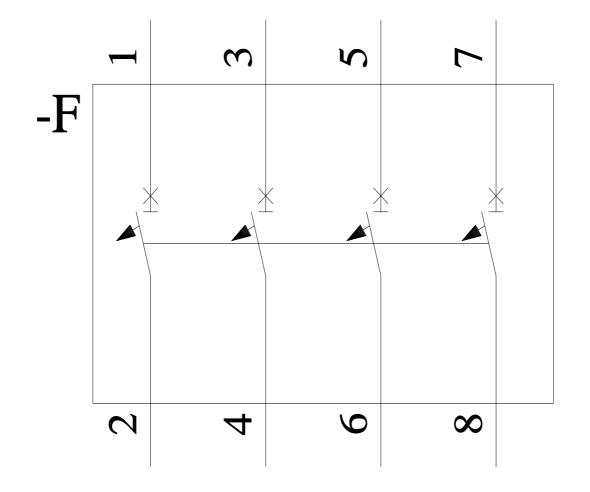
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SL4432-0RC

**CAx-Online-Generator** 

http://www.siemens.com/cax





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