SIEMENS

Data sheet

5SL4406-0RC



Miniature Circuit Breaker 6A 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)				
 with single-phase operation at AC rated value 	440 V			
 with multi-phase operation at AC rated value 	440 V			
operational current				
• at 30 °C rated value	6.7 A			
• at 40 °C rated value	6.4 A			
• at 50 °C rated value	6 A			
• at 55 °C rated value	5.8 A			
• at 60 °C rated value	5.6 A			
 at AC rated value 	6 A			
Supply voltage				
supply voltage at AC	415 V			
value range of the supply voltage frequency	50/60 Hz			
operating voltage				
 with multi-phase operation at AC maximum 	440 V			
 at DC rated value maximum 	62.5 V			
٠	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				
 according to EN 60898 rated value 	10 kA			
 according to IEC 60947-2 rated value 	15 kA			
energy limitation class	NA			

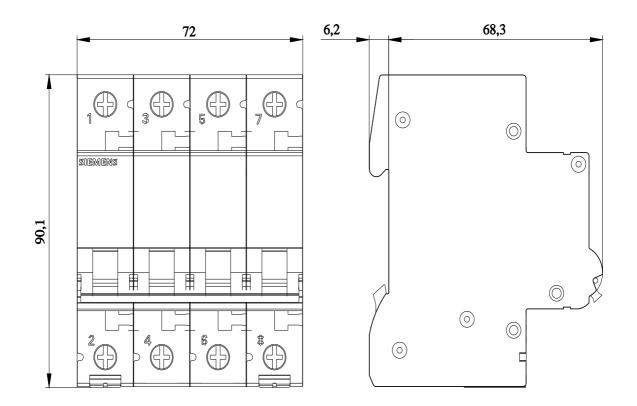
Product details							
product feature touch protection	roduct feature touch protection						
product component neutral conductor switching		No					
product feature							
 halogen-free 		Yes					
• sealable		Yes					
• silicon-free	• silicon-free		Yes				
product extension installable supplementary devices			Yes				
Connections							
connectable conductor cross-section solid							
• minimum		0.75 mm²					
• maximum		25 mm	2				
connectable conductor cross-section stranded							
• minimum		0.75 mm ²					
• maximum		25 mm²					
connectable conductor cross-section finely strand end processing	led with core						
• minimum		0.75 mm ²					
• maximum		25 mm	2				
tightening torque with screw-type terminals							
• minimum		2.5 N·m					
• maximum		3 N·m					
Mechanical Design							
height		90 mm	l				
width		72 mm					
depth		76 mm					
installation depth		70 mm					
number of modular width units		4					
mounting position		any					
net weight		502 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 Certificate	es	other		Environment		
Confirmation	<u>Miscellaneou</u>	<u>us</u>	<u>Miscellaneous</u>	<u>Confirmation</u>	Environmental Con- firmations		

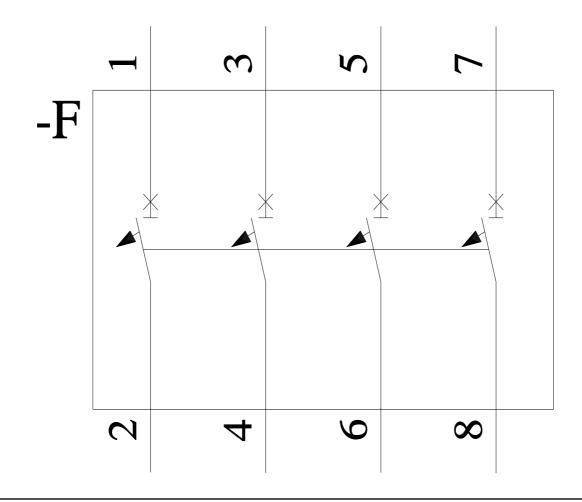
Environment

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=5SL4406-0RC Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SL4406-0RC Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4406-0RC CAx-Online-Generator http://www.siemens.com/cax





last modified:

7/6/2024 🖸