SIEMENS

Data sheet 5SY4213-6



Miniature circuit breaker 400 V 10kA, 2-pole, B, 13 A, D=70 mm

product brand name SENTRON product designation Miniature circuit breaker Concrat technical data number of poles 2 design of pole 2P tripping characteristic class B mechanical service life (operating cycles) typical 10 000 overvoltage category III degree of pollution 3 Voltage Type of voltage of the operating voltage insulation voltage (UI) • with single-phase operation at AC rated value 440 V • with multi-phase operation at AC rated value 440 V supply voltage of the operating voltage apply voltage (UI) Supply voltage of the supply voltage frequency 50/60 ftz operating voltage at DC rated value at AC rated value 50 V value range of the supply voltage frequency 50/60 ftz operating voltage at DC rated value maximum 72 V Protection class IP Switching capacity switching capacity current 1 AC in tot Capacity and in the control of the C60947-2 rated value 20 kA 2	Model	
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Dissipation power loss [W] for rated value of the current at AC in hot operating state per pole suitability for operation Mechanical engineering / industry Product details product component • combined terminal top • combined terminal bottom • neutral conductor switching No	 according to IEC 60947-2 rated value 	20 kA
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operating state per pole suitability for operation Product details product component • combined terminal top • combined terminal bottom • neutral conductor switching No	Dissipation	
Product details product component • combined terminal top • combined terminal bottom • neutral conductor switching No		1.7 W
product component • combined terminal top • combined terminal bottom • neutral conductor switching No	suitability for operation	Mechanical engineering / industry
 combined terminal top combined terminal bottom neutral conductor switching No 	Product details	
 combined terminal top combined terminal bottom neutral conductor switching No 	product component	
 combined terminal bottom neutral conductor switching No 		Yes
• neutral conductor switching No	·	

 properties for main switches in accordance with EN 60204-1 	Yes		
• halogen-free	Yes		
• sealable			
• silicon-free	Yes Yes		
	Yes		
product extension installable supplementary devices	tes		
Short circuit			
short-circuit current breaking capacity (Icn)			
at AC according to UL 1077 and CSA C22.2 No.235	5 kA		
Connections			
connectable conductor cross-section solid			
• minimum	0.75 mm²		
• maximum	35 mm²		
connectable conductor cross-section stranded			
• minimum	0.75 mm ²		
maximum	35 mm²		
connectable conductor cross-section finely stranded with core end processing			
• minimum	0.75 mm ²		
• maximum	25 mm²		
AWG number as coded connectable conductor cross section			
• minimum	18		
• maximum	4		
tightening torque [lbf·in] with screw-type terminals			
• minimum	22 lbf-in		
• maximum	31 lbf-in		
tightening torque with screw-type terminals			
minimum	2.5 N·m		
maximum	3.5 N·m		
position of power supply cord	Any		
Mechanical Design	***		
height	90 mm		
width	36 mm		
depth	76 mm		
<u> </u>	70 mm		
installation depth			
number of modular width units	2		
fastening method	Quick assembly system		
mounting position	any		
net weight	314 g		
Environmental conditions			
influence of the surrounding temperature	max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C		
standard	IEC / EN 60898-1, IEC / EN 60947-2 / UL1077		
vibration resistance according to IEC 60068-2-6	±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz		
ambient temperature during operation			
• minimum	-40 °C		
• maximum	70 °C		
ambient temperature during storage			
• minimum	-40 °C		
• maximum	75 °C		
number of test cycles for environmental testing according to IEC 60068-2-30	6		
General Product Approval			



Confirmation







Miscellaneous

General Product Approval	EMC	Declaration of Conformity	Test Certificates
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Miscellaneous

Test Certificates

Marine / Shipping

Special Test Certificate









firmations



 other
 Railway
 Environment

 Confirmation
 Miscellaneous
 Vibration and Shock
 Confirmation
 Environmental Con

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=5SY4213-6

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

https://support.industry.siemens.com/cs/ww/en/ps/5SY4213-6

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

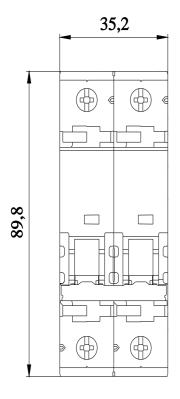
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4213-6

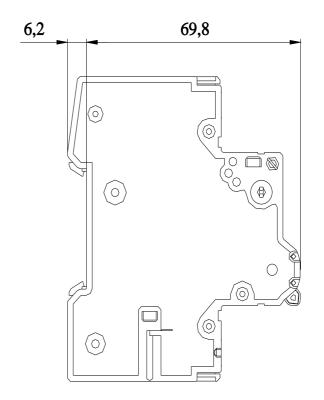
CAx-Online-Generator

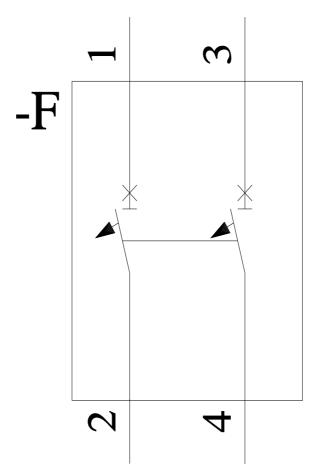
http://www.siemens.com/cax

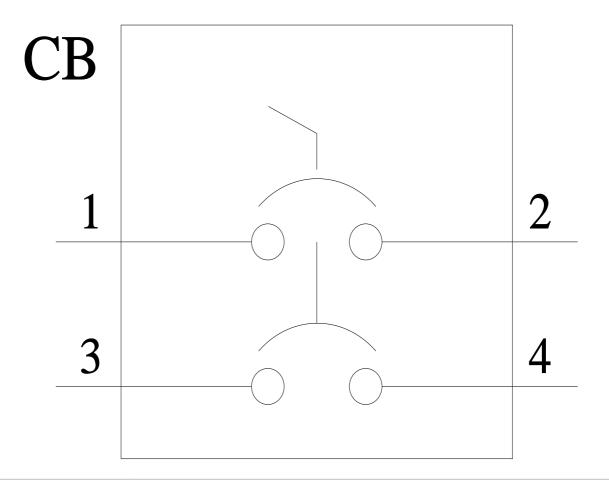
Tender specifications

http://www.siemens.com/specifications









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