SIEMENS

Data sheet 5SY8213-8



Miniature circuit breaker 400 V D=70 mm 25 kA according to EN 60947-2, 2P, D13

Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
design of pole	2P
tripping characteristic class	D
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	3
Voltage	
type of voltage of the operating voltage	AC
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 with single-phase operation at AC rated value	230 V
Supply voltage	
supply voltage	
 at AC rated value 	400 V
at DC rated value	60 V
value range of the supply voltage frequency	50/60 Hz
operating voltage at DC rated value maximum	72 V
Protection class	
protection class IP	IP20, with connected conductors
Switching capacity	
switching capacity current	
 at DC according to IEC 60947-2 rated value 	15 kA
 according to IEC 60947-2 rated value 	30 kA
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.4 W
suitability for operation	Mechanical engineering / industry
Product details	
product component	
 combined terminal top 	Yes
 combined terminal bottom 	Yes
neutral conductor switching	No
product feature	
 properties for main switches in accordance with EN 60204-1 	Yes

2 Quick assembly system any 305 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -25 °C 55 °C -40 °C 75 °C 6
2 Quick assembly system any 305 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -25 °C 55 °C -40 °C 75 °C
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2 Quick assembly system any 305 g
2 Quick assembly system any
2 Quick assembly system any
2 Quick assembly system
2
70 mm
76 mm
36 mm
90 mm
00
Any
2.5 N·m 3.5 N·m
2.5 N·m
OT IDI III
31 lbf·in
22 lbf·in
•
4
18
23 111111
25 mm ²
0.75 mm ²
35 mm²
0.75 mm²
35 mm ²
0.75 mm²
5 kA
Yes
Yes
Yes
Yes

Confirmation



Miscellaneous







other Environment

<u>Confirmation</u> <u>Miscellaneous</u>

Environmental Confirmations

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=5SY8213-8

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

https://support.industry.siemens.com/cs/ww/en/ps/5SY8213-8

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

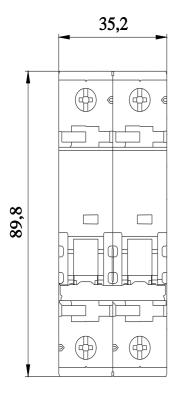
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY8213-8

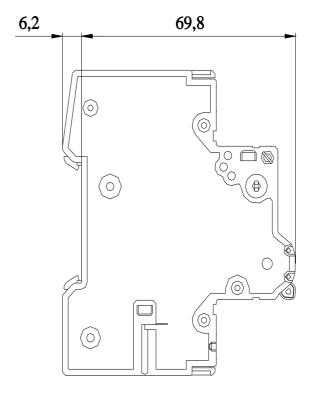
CAx-Online-Generator

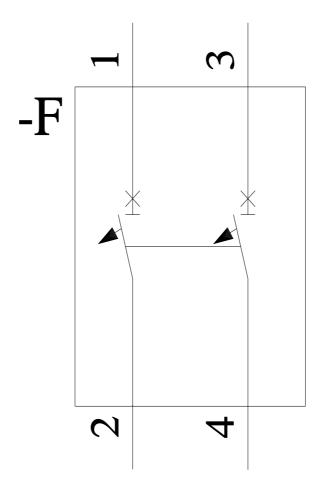
http://www.siemens.com/cax

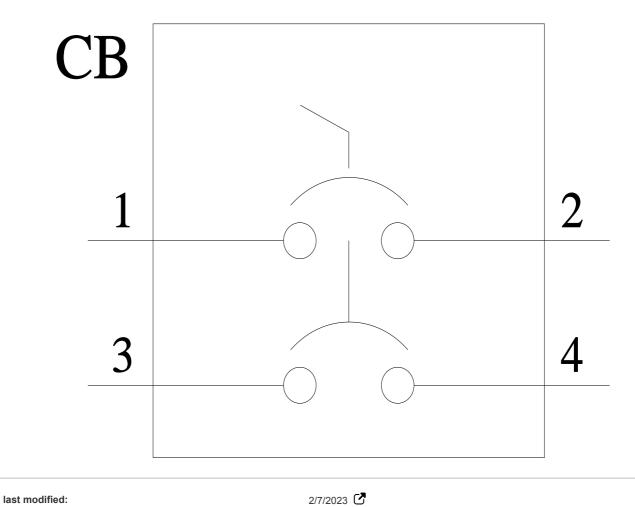
Tender specifications

http://www.siemens.com/specifications









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