SIEMENS

Data sheet

5SY4211-7



Miniature circuit breaker 400 V 10kA, 2-pole, C, 5A, D=70 mm

Model					
product brand name	SENTRON				
product designation	Miniature circuit breaker				
General technical data					
number of poles	2				
design of pole	2P				
tripping characteristic class	С				
mechanical service life (operating cycles) typical	10 000				
overvoltage category	Ш				
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					
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 EN 60898 rated value 	10 kA				
 according to IEC 60947-2 rated value 	35 kA				
energy limitation class	3				
Dissipation					
power loss [W] for rated value of the current at AC in hot operating state per pole	2.2 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 	Yes				

60204-1				
• halogen-free	Yes			
• sealable	Yes			
silicon-free	Yes			
product extension installable supplementary devices	Yes			
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 mm ²			
connectable conductor cross-section stranded				
minimum	0.75 mm²			
• maximum	35 mm ²			
connectable conductor cross-section finely stranded with core end processing				
• minimum	0.75 mm²			
• maximum	25 mm ²			
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	, with			
height	90 mm			
width	36 mm			
depth	76 mm			
installation depth	70 mm			
number of modular width units	2			
fastening method	Quick assembly system			
mounting position	any			
net weight	306 g			
Environmental conditions				
influence of the surrounding temperature	max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C			
standard				
vibration resistance according to IEC 60068-2-6	IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz			
ambient temperature during operation				
minimum	-40 °C			
• maximum	70 °C			
ambient temperature during storage				
minimum	-40 °C			
• maximum	-40 C			
number of test cycles for environmental testing according to IEC	6			
60068-2-30				
General Product Approval				
Confirmation				

EHC	<u>Miscellaneous</u>	RCM	UK CA	EG-Konf.	<u>Miscellaneous</u>		
Test Certificates	Marine / Shipping						
Special Test Certific- ate	ABS	BUREAU VERITAS	Lloyd's Register	RINA	DNV-GL EMISLEDIKM		
other		Railway		Environment			
<u>Miscellaneous</u>	Confirmation	<u>Confirmation</u>	Vibration and Shock	<u>Environmental Con-</u> <u>firmations</u>			
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=5SY4211-7

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SY4211-7

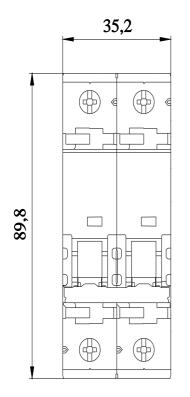
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4211-7

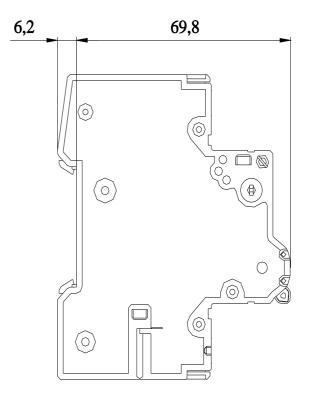
CAx-Online-Generator

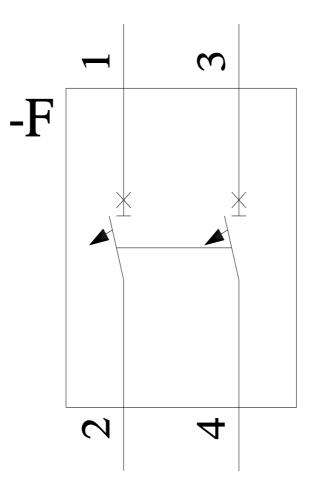
http://www.siemens.com/cax

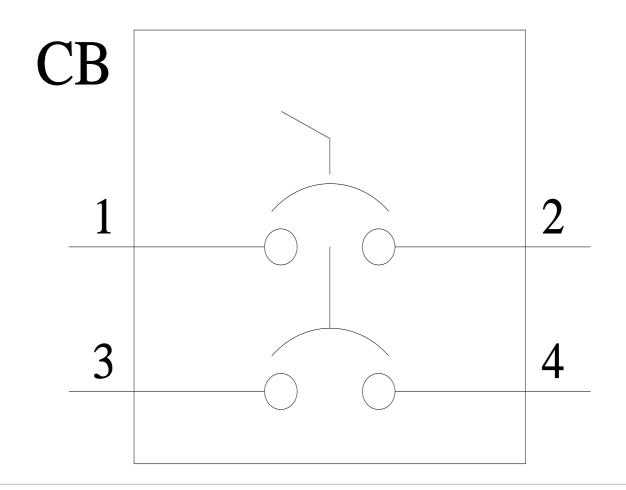
Tender specifications

http://www.siemens.com/specifications









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