SIEMENS

Data sheet

5SY4206-7



Miniature circuit breaker 400 V 10kA, 2-pole, C, 6 A, 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	C				
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 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	1.6 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					

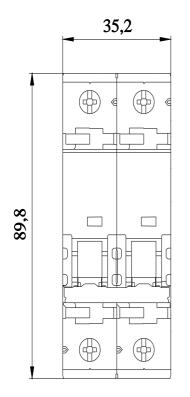
 properties for main switches in accordance with EN 60204-1 	Yes		
halogen-free	Yes		
• sealable	Yes		
• silicon-free	Yes		
product extension installable supplementary devices	Yes		
Short circuit			
short-circuit current breaking capacity (Icn)			
at AC according to UL 1077 and CSA C22.2 No.235	5 kA		
, and the second s			
Connections			
connectable conductor cross-section solid			
• minimum	0.75 mm ²		
• 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 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			
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	308 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/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	0		
General Product Approval			
	UR VDE Miscellaneous		

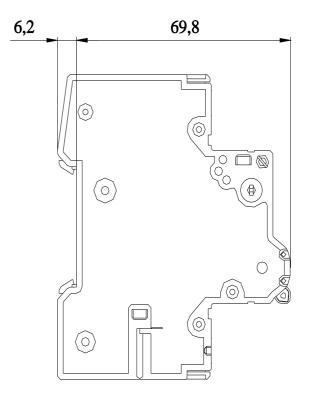
General Product Approval

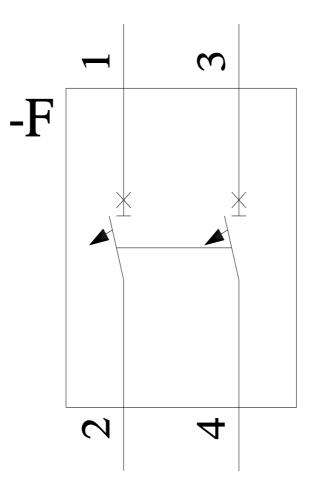
EMC

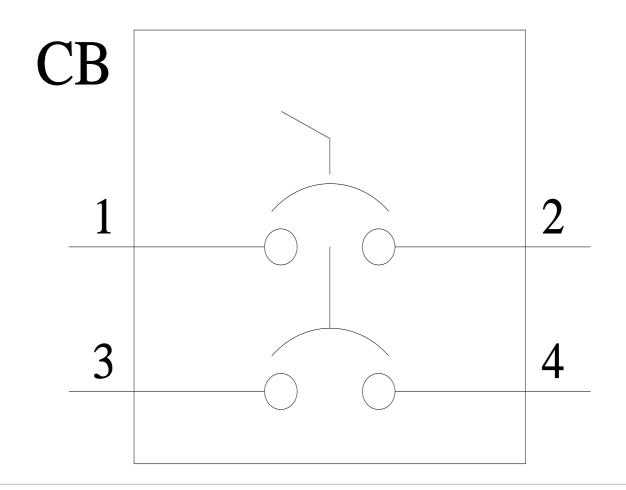
Declaration of Conformity

<u>KC</u>	EHC	<u>Miscellaneous</u>	RCM	UK CA	CE EG-Konf.	
Test Certificates		Marine / Shipping				
<u>Miscellaneous</u>	Special Test Certific- ate	ABS	B U RE AU VERITAS	Llovd's Register us	RINA	
Marine / Shipping	other		Railway		Environment	
DNV-GL EMISLEDIKAP	<u>Confirmation</u>	<u>Miscellaneous</u>	Vibration and Shock	<u>Confirmation</u>	Environmental Con- firmations	
Further information						
https://press.siemens.co Siemens is working o Please contact your loc EAC relevant market (c Information on the pa https://support.industry Information- and Dow http://www.siemens.cor Industry Mall (Online https://mall.industry.sie Service&Support (Mai https://support.industry Image database (prod	other than the sanctioned E ckaging .siemens.com/cs/ww/en/vie mloadcenter (Catalogs, E m/lowvoltage/catalogs ordering system) mens.com/mall/en/en/Cata nuals, Certificates, Chara .siemens.com/cs/ww/en/ps luct images, 2D dimensic siemens.com/bilddb/cax_e r m/cax	/siemens-wind-down-rus ent EAC certificates. tatus of validity of the EA AEU member states Ru ew/109813875 Brochures,) alog/product?mlfb=5SY4; acteristics, FAQs,) 5/5SY4206-7 on drawings, 3D models	C certification if you intend ssia or Belarus). 206-7 s, device circuit diagrams,		oply these products to an	









last modified:

2/7/2023 🖸

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: 5SY42067