SIEMENS

Data sheet

5SY7208-7

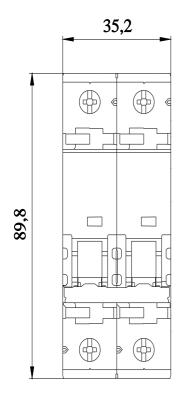


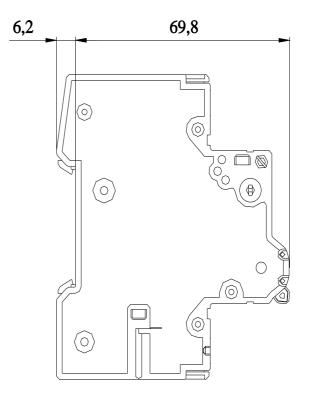
Miniature circuit breaker 400 V 15kA, 2-pole, C, 8A, D=70 mm

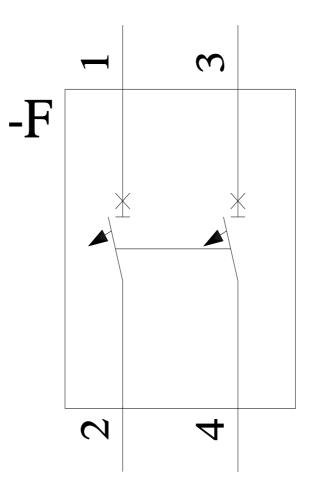
Model			
product brand name	SENTRON		
product designation	Miniature circuit breaker		
General technical data			
number of poles	2		
design of pole	2P		
tripping characteristic class	C		
mechanical service life (operating cycles) typical	10 000		
overvoltage category	III		
degree of pollution	3		
Voltage			
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 	15 kA		
 according to IEC 60947-2 rated value 	30 kA		
energy limitation class	3		
Dissipation			
power loss [W] for rated value of the current at AC in hot operating state per pole	0.9 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			

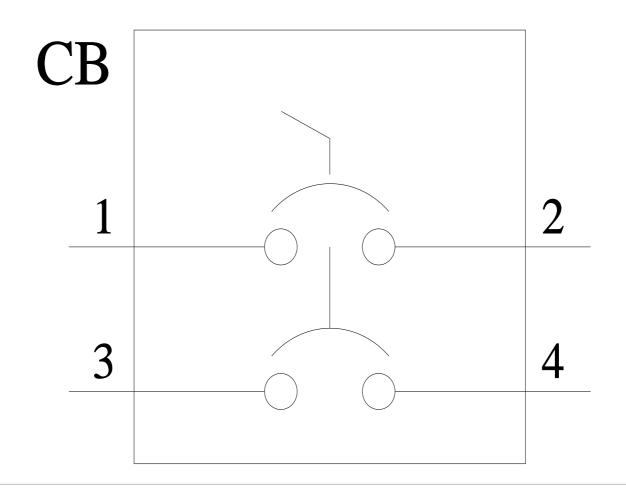
 properties for main switches in accordance with EN 60204-1 	Yes				
halogen-free	Yes				
• sealable	Yes				
• silicon-free	Yes				
product extension installable supplementary devices	Yes				
Short circuit					
short-circuit current breaking capacity (Icn)					
at AC according to UL 1077 and CSA C22.2 No.235	5 kA				
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 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				
installation depth	70 mm				
number of modular width units	2				
fastening method	Quick assembly system				
mounting position	any				
net weight	288 g				
Environmental conditions					
influence of the surrounding temperature	max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°	С			
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	75 °C				
number of test cycles for environmental testing according to IEC 60068-2-30	6				
General Product Approval					
		<u>Miscellaneous</u>			
General Product Approval EMC	Declaration of Conformity	Test Certificates			

EHC	<u>Miscellaneous</u>	RCM	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>
Marine / Shipping					other
ABS	BUREAU VERITAS	Lloyd's Register urs	RINA	DNV-GL	<u>Miscellaneous</u>
other	Railway		Environment		
<u>Confirmation</u>	Vibration and Shock	<u>Confirmation</u>	Environmental Con- firmations		
https://press.siemens. Siemens is working of	d to exit the Russian marke com/global/en/pressrelease/s on the renewal of the curren cal Siemens office on the sta	iemens-wind-down-ru	ssian-business AC certification if you intend to	o import or offer to su	upply these products to an
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