SIEMENS

Data sheet

5SY4208-7



Miniature circuit breaker 400 V 10kA, 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 	10 kA		
 according to IEC 60947-2 rated value 	20 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			

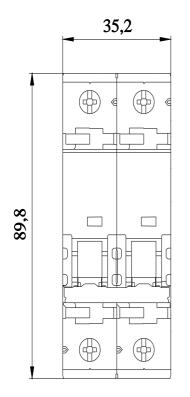
 properties for main switches in accordance with EN 60204-1 	Yes		
halogen-free	Yes		
• sealable	Yes		
• silicon-free	Yes		
product extension installable supplementary devices	Yes		
Short circuit			
short-circuit current breaking capacity (Icn)			
at AC according to UL 1077 and CSA C22.2 No.235	5 kA		
, 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		

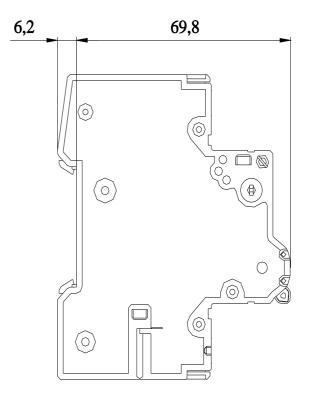
General Product Approval

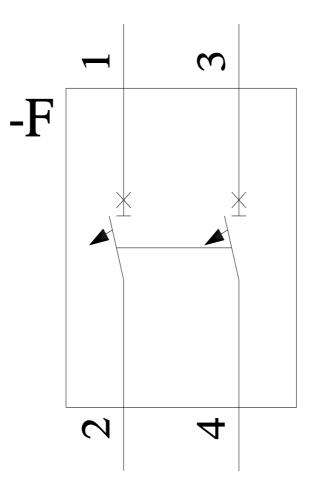
EMC

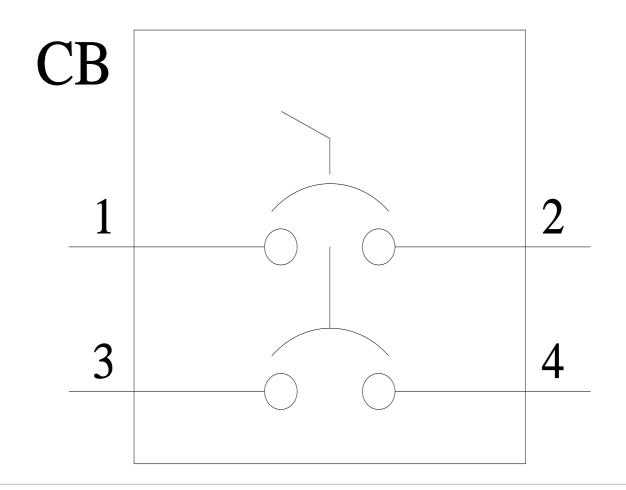
Declaration of Conformity

<u>KC</u>	EHC	<u>Miscellaneous</u>	RCM	UK CA	CE EG-Konf.		
Test Certificates		Marine / Shipping					
<u>Special Test Certific-</u> <u>ate</u>	<u>Miscellaneous</u>	ABS	BUREAU VERITAS	Lloyds Register us	RINA		
Marine / Shipping	other		Railway		Environment		
DNV-GL	<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Confirmation</u>	Vibration and Shock	Environmental Con- firmations		
Further information Siemens has decided to exit the Russian market (see here).							
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