SIEMENS

Data sheet

5SY7203-7



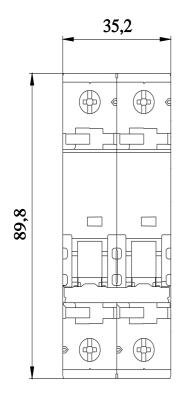
Miniature circuit breaker 400 V 15kA, 2-pole, C, 3 A, D=70 mm

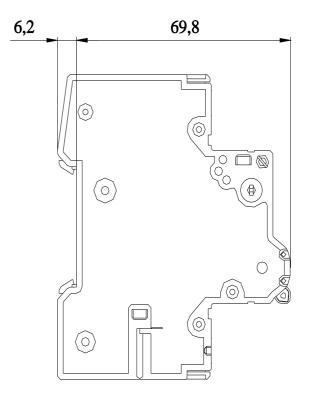
Model					
product brand name	SENTRON				
product designation	Miniature circuit breaker				
General technical data					
number of poles	2				
design of pole	2P				
tripping characteristic class	C				
mechanical service life (operating cycles) typical	10 000				
overvoltage category	III				
degree of 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 	15 kA				
 according to IEC 60947-2 rated value 	40 kA				
energy limitation class	3				
Dissipation					
power loss [W] for rated value of the current at AC in hot operating state per pole	1.3 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					

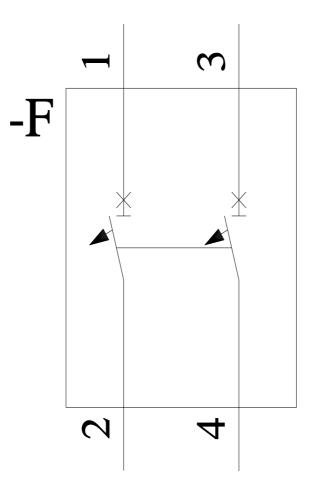
properties for main switches in accordance with EN	Yes				
60204-1					
halogen-free	Yes				
• sealable	Yes				
silicon-free	Yes				
product extension installable supplementary devices	Yes				
Short circuit					
short-circuit current breaking capacity (Icn)					
at AC according to UL 1077 and CSA C22.2 No.235	5 kA				
Connections					
connectable conductor cross-section solid					
• minimum	0.75 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 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					
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	313 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	10.00				
• minimum	-40 °C				
maximum	70 °C				
ambient temperature during storage	10 °C				
• minimum	-40 °C				
maximum	75 °C				
number of test cycles for environmental testing according to IEC 60068-2-30	6				
General Product Approval					
Confirmation		<u>Miscellaneous</u>			
General Product Approval EMC	Declaration of Conformity	Test Certificates			

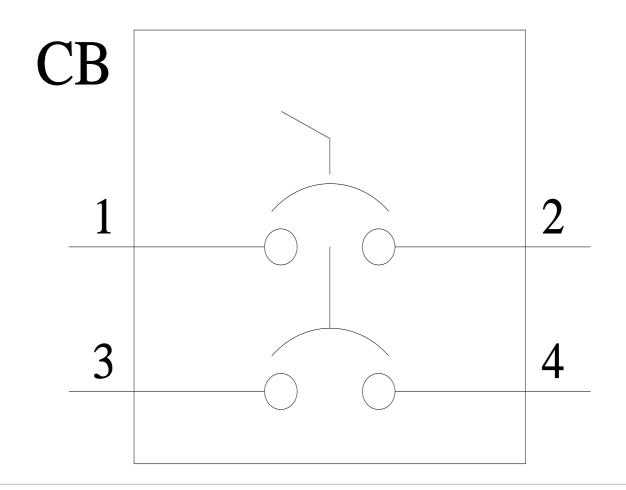
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EHC	<u>Miscellaneous</u>	RCM	CE EG-Konf.	UK CA	Special Test Certific- ate
Marine / Shipping					other
ABS	BUREAU VERITAS	Lloyds Kegister us	RINA	DINV-GL Charles	<u>Confirmation</u>
other	Railway		Environment		
<u>Miscellaneous</u>	<u>Confirmation</u>	Vibration and Shock	Environmental Con- firmations		
Further information Siemens has decide	d to exit the Russian ma	rket (see here).			
Siemens is working Please contact your le EAC relevant market Information on the p https://support.industr Information- and Do http://www.siemens.c Industry Mall (Online	on the renewal of the cu boal Siemens office on the (other than the sanctioned backaging ty.siemens.com/cs/ww/en/w wnloadcenter (Catalogs, om/lowvoltage/catalogs	status of validity of the EA EAEU member states Rus view/109813875 Brochures,)	C certification if you intend sia or Belarus).	to import or offer to su	pply these products to an









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