SIEMENS

Data sheet

5SY7106-7



Miniature circuit breaker 230/400 V 15kA, 1-pole, C, 6 A, D=70 mm

Model			
product brand name	SENTRON		
product designation	Miniature circuit breaker		
General technical data			
number of poles	1		
design of pole	1P		
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	1.6 W		
suitability for operation	Mechanical engineering / industry		
Product details			
product component			
combined terminal top	Yes		
combined terminal top combined terminal bottom	Yes		
neutral conductor switching	No		
G			

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 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	18 mm			
depth	76 mm			
installation depth	70 mm			
number of modular width units	1			
fastening method	Quick assembly system			
fastening method mounting position	Quick assembly system any			
fastening method mounting position net weight	Quick assembly system			
fastening method mounting position net weight Environmental conditions	Quick assembly system any 162 g			
fastening method mounting position net weight	Quick assembly system any 162 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C			
fastening method mounting position net weight Environmental conditions influence of the surrounding temperature standard	Quick assembly system any 162 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C IEC / EN 60898-1, IEC / EN 60947-2 / UL1077			
fastening method mounting position net weight Environmental conditions influence of the surrounding temperature standard vibration resistance according to IEC 60068-2-6	Quick assembly system any 162 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C			
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Marine / Shipping					other
ABS	BUREAU VERITAS	Lloyds Register urs	RINA		<u>Confirmation</u>
other	Railway		Environment		
<u>Miscellaneous</u>	<u>Vibration and Shock</u>	<u>Confirmation</u>	Environmental Con- firmations		
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=5SY7106-7					

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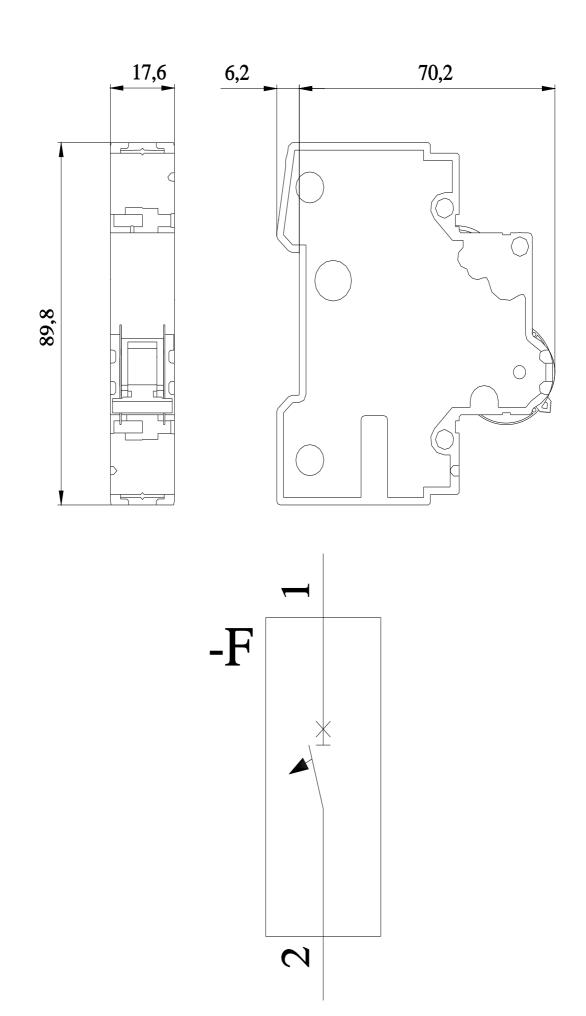
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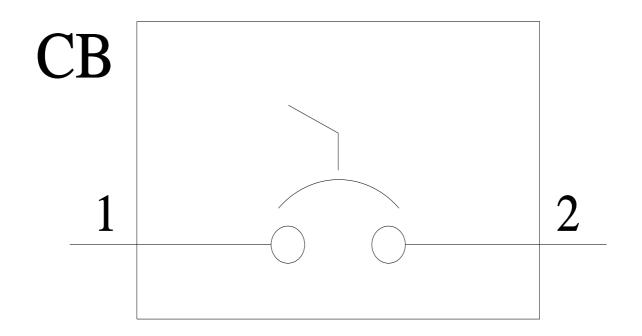
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY7106-7

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Tender specifications http://www.siemens.com/specifications





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