SIEMENS

Data sheet

5SY4240-6



Miniature circuit breaker 400 V 10kA, 2-pole, B, 40A, 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	В
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 	15 kA
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	3.6 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	

General Product Approval EMC	Declaration of Conformity	Test Certificates		
		T (0)		
Confirmation		Miscellaneous		
General Product Approval				
number of test cycles for environmental testing according to IEC 60068-2-30	6			
• maximum	75 °C			
• minimum	-40 °C			
ambient temperature during storage				
● maximum	70 °C			
• minimum	-40 °C			
ambient temperature during operation				
vibration resistance according to IEC 60068-2-6	±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz			
standard	IEC / EN 60898-1, IEC / EN 60947-2 / UL1077			
influence of the surrounding temperature	max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C			
Environmental conditions				
net weight	321 g			
mounting position	any			
fastening method	Quick assembly system			
number of modular width units	2			
depth installation depth	76 mm 70 mm			
width depth	36 mm 76 mm			
height	90 mm			
Mechanical Design	00 mm			
position of power supply cord	Any			
maximum	3.5 N·m			
• minimum	2.5 N·m			
tightening torque with screw-type terminals	0.511			
• maximum	31 lbf·in			
• minimum	22 lbf·in			
tightening torque [lbf·in] with screw-type terminals				
maximum	4			
• minimum	18			
AWG number as coded connectable conductor cross section				
• maximum	25 mm²			
• minimum	0.75 mm²			
end processing				
maximum connectable conductor cross-section finely stranded with core	35 mm ²			
• minimum	0.75 mm ²			
connectable conductor cross-section stranded				
• maximum	35 mm ²			
• minimum	0.75 mm²			
connectable conductor cross-section solid				
Connections				
 at AC according to UL 1077 and CSA C22.2 No.235 	5 kA			
short-circuit current breaking capacity (Icn)				
Short circuit				
product extension installable supplementary devices	Yes			
silicon-free	Yes			
• sealable	Yes			
halogen-free	Yes			
 properties for main switches in accordance with EN 60204-1 	Yes			

EHC	<u>Miscellaneous</u>	RCM	UK CA	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>		
Test Certificates	Marine / Shipping						
<u>Miscellaneous</u>	ABS	BUREAU VERITAS	Llovd's Register Lis	RINA	DNV-GL DNV-GL		
other		Railway		Environment			
<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Confirmation</u>	Vibration and Shock	Environmental Con- firmations			
Further information							
https://press.siemens.c Siemens is working o Please contact your loo EAC relevant market (o Information on the pa	other than the sanctioned	e/siemens-wind-down-ru rent EAC certificates. status of validity of the E/ EAEU member states Ru	AC certification if you intend	d to import or offer to supp	bly these products to an		

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=5SY4240-6

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SY4240-6

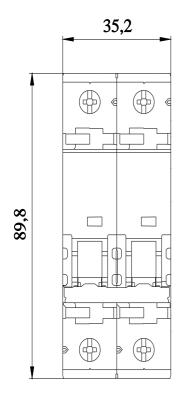
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY4240-6

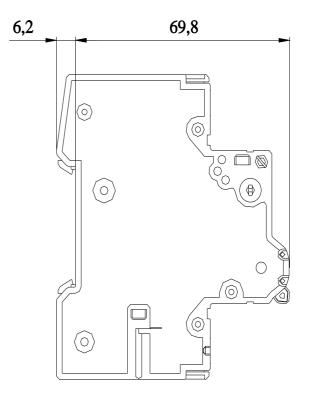
CAx-Online-Generator

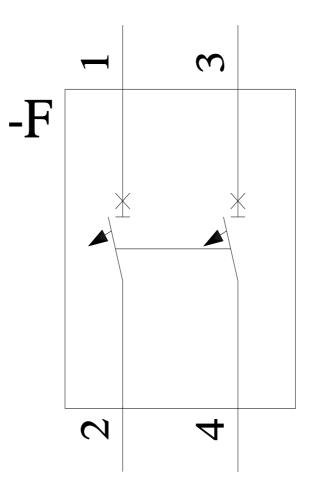
http://www.siemens.com/cax

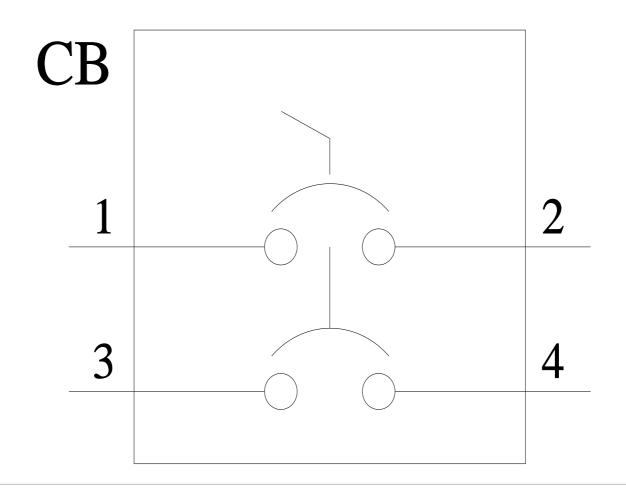
Tender specifications

http://www.siemens.com/specifications









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