SIEMENS

Data sheet

5SY7332-7



Miniature circuit breaker 400 V 15kA, 3-pole, C, 32 A, D=70 mm

Model					
product brand name	SENTRON				
product designation	Miniature circuit breaker				
General technical data					
number of poles	3				
number of poles / note	3P				
tripping characteristic class	С				
mechanical service life (switching cycles) / typical	10 000				
overvoltage category					
degree of pollution	3				
Voltage					
insulation voltage					
 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					
type of voltage	AC				
supply voltage					
at AC / rated value	400 V				
operating voltage / at DC / rated value / maximum	72 V				
supply voltage frequency / rated value	50/60 Hz				
Protection class					
protection class IP	IP20, with connected conductors				
Switching capacity					
switching capacity current					
 at DC / acc. to IEC 60947-2 / rated value 	15 kA				
 acc. to EN 60898 / rated value 	15 kA				
acc. to IEC 60947-2 / rated value	25 kA				
energy limitation class	3				
Dissipation					
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	2.6 W				
Current					
operational current					
• at 40 °C / rated value	30.72 A				
• at 45 °C / rated value	30.08 A				



a at 50 °C / rated value	29.41 A		
• at 50 °C / rated value			
• at 55 °C / rated value	28.74 A		
at 60 °C / rated value	28.03 A		
suitability for operation	Mechanical engineering / industry		
Product details			
product function / neutral conductor switching	No		
product feature / touch protection	Yes		
product component			
 combined terminal top 	Yes		
combined terminal bottom	Yes		
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			
breaking capacity short-circuit current (Icn)			
 at AC / acc. to UL 1077 and CSA C22.2 No.235 	5 kA		
Connections			
connectable conductor cross-section / solid			
• minimum	0.75 mm ²		
• maximum	35 mm ²		
connectable conductor cross-section / stranded			
• minimum	0.75 mm ²		
• maximum	35 mm ²		
connectable conductor cross-section / finely stranded / with core end processing			
• minimum	0.75 mm ²		
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	54 mm		
depth	76 mm		
installation depth	70 mm		
number of modular width units	3		
fastening method	Quick assembly system		
mounting position	any		
net weight	470 g		
Environmental conditions			
influence of the surrounding temperature	max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C		
vibration resistance / acc. 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	О° С		
• maximum	75	°C		
number of test cycles / for environmental tes IEC 60068-2-30	sting / acc. to 6			
Certificates				
reference code				
 acc. to DIN EN 61346-2 	F			
• acc. to IEC 81346-2	F			
General Product Approval				
	SAN UR	СВ	UDE VDE	RCM
General Product Approval	Declaration of Conformity	Test Certificates	Marine / Shipping	
Miscellaneous ERE	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	ABS	BUREAU VERITAS
Marine / Shipping		Railway		
LIRS RINA	DNV-GL EMMLCORN	Vibration and Shock	<u>Confirmation</u>	
Further information				

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=5SY7332-7

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

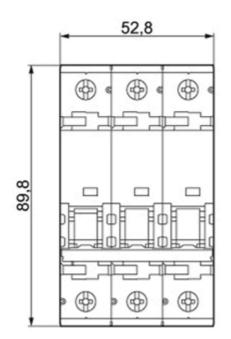
https://support.industry.siemens.com/cs/ww/en/ps/5SY7332-7

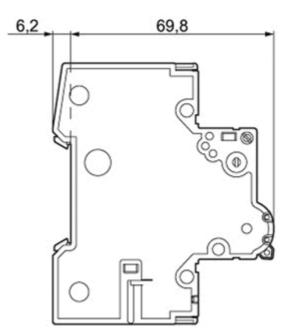
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY7332-7

Tender specifications

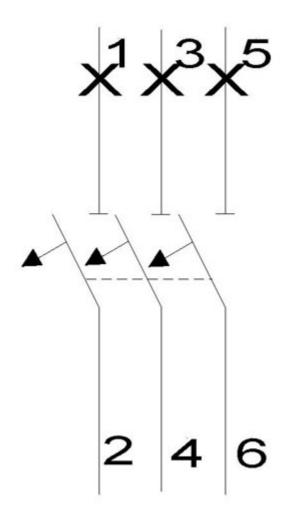
http://www.siemens.com/specifications











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