SIEMENS

Data sheet

5SY7225-7

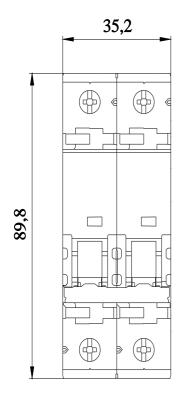


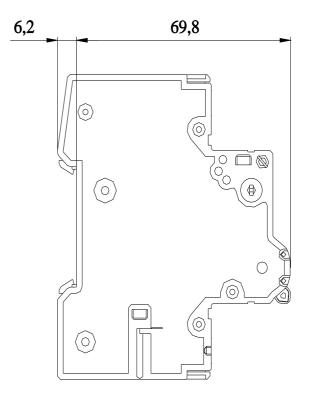
Miniature circuit breaker 400 V 15kA, 2-pole, C, 25A, D=70 mm

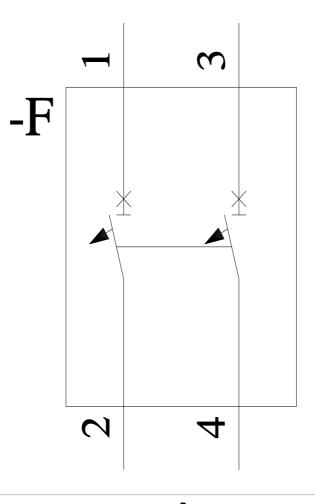
Model					
product brand name	SENTRON				
product designation	Miniature circuit breaker				
General technical data					
number of poles	2				
design of pole	2P				
tripping characteristic class	C				
mechanical service life (operating cycles) typical	10 000				
overvoltage category					
degree of pollution	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 	25 kA				
energy limitation class	3				
Dissipation					
power loss [W] for rated value of the current at AC in hot operating state per pole	2.2 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	Yes
halogen-free sealable	Yes
seliable 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 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	
Mechanical Design	
height	90 mm
height width	36 mm
height width depth	36 mm 76 mm
height width depth installation depth	36 mm 76 mm 70 mm
height width depth installation depth number of modular width units	36 mm 76 mm 70 mm 2
height width depth installation depth number of modular width units fastening method	36 mm 76 mm 70 mm 2 Quick assembly system
height width depth installation depth number of modular width units fastening method mounting position	36 mm 76 mm 70 mm 2 Quick assembly system any
height width depth installation depth number of modular width units fastening method mounting position net weight	36 mm 76 mm 70 mm 2 Quick assembly system
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions	36 mm 76 mm 70 mm 2 Quick assembly system any 316 g
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions influence of the surrounding temperature	36 mm 76 mm 70 mm 2 Quick assembly system any 316 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions influence of the surrounding temperature standard	36 mm 76 mm 70 mm 2 Quick assembly system any 316 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
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions influence of the surrounding temperature standard vibration resistance according to IEC 60068-2-6	36 mm 76 mm 70 mm 2 Quick assembly system any 316 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to 75°C
height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions influence of the surrounding temperature standard vibration resistance according to IEC 60068-2-6 ambient temperature during operation	36 mm 76 mm 70 mm 2 Quick assembly system any 316 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 ±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz
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EHC	<u>Miscellaneous</u>	RCM	CE EG-Konf.	UK CA	Special Test Certific- ate
Marine / Shipping					other
ABS	BUREAU VERITAS	Llovds Register us	RINA	DNV-GL DNV-GL	<u>Confirmation</u>
other	Railway		Environment		
Miscellaneous	Vibration and Shock	<u>Confirmation</u>	Environmental Con- firmations		
https://press.siemens.c Siemens is working o	I to exit the Russian marke com/global/en/pressrelease/s on the renewal of the curren cal Siemens office on the sta	iemens-wind-down-rus		o import or offer to su	anky these products to an







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