SIEMENS

Data sheet

5SY7215-7

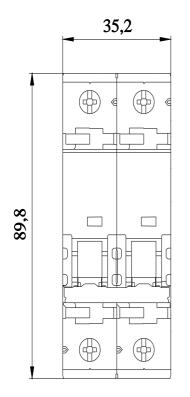


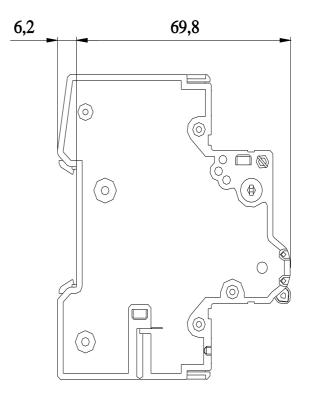
Miniature circuit breaker 400 V 15kA, 2-pole, C, 1.6 A, D=70 mm

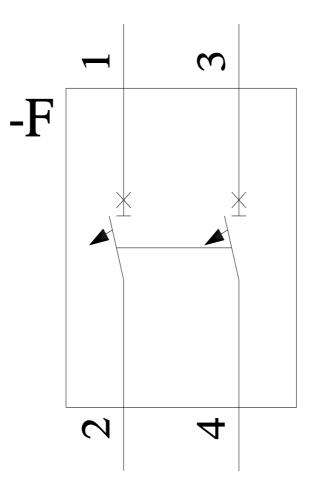
Model	
product brand name	SENTRON
product designation	Miniature circuit breaker
General technical data	
number of poles	2
design of pole	2P
tripping characteristic class	C
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	3
Voltage	
type of voltage 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 	50 kA
energy limitation class	3
Dissipation	
power loss [W] for rated value of the current at AC in hot operating state per pole	1.2 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	

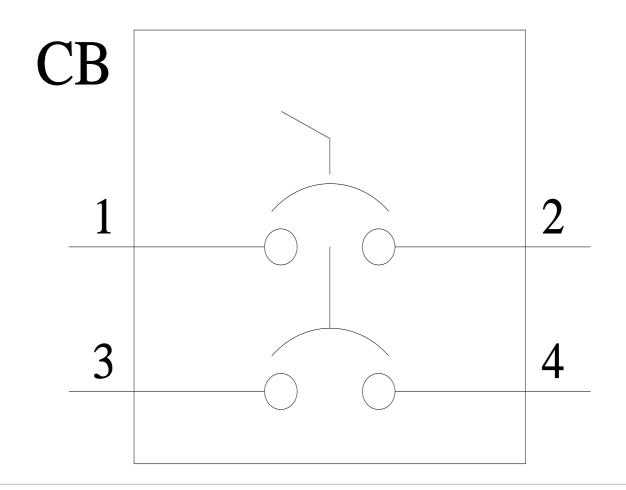
• properties for main switches in accordance with EN	Yes	
60204-1		
 halogen-free 	Yes	
• sealable	Yes	
silicon-free	Yes	
product extension installable supplementary devices	Yes	
Short circuit		
short-circuit current breaking capacity (Icn)		
at AC according to UL 1077 and CSA C22.2 No.235	5 5 kA	
Connections		
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 mm²	
connectable conductor cross-section finely stranded with c end processing	core	
• minimum	0.75 mm²	
• maximum	25 mm²	
AWG number as coded connectable conductor cross section	ion	
• 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	
	A	
position of power supply cord	Any	
position of power supply cord Mechanical Design	Any	
	90 mm	
Mechanical Design		
Mechanical Design height	90 mm	
Mechanical Design height width	90 mm 36 mm	
Mechanical Design height width depth	90 mm 36 mm 76 mm	
Mechanical Design height width depth installation depth	90 mm 36 mm 76 mm 70 mm	
Mechanical Design height width depth installation depth number of modular width units	90 mm 36 mm 76 mm 70 mm 2	
Mechanical Design height width depth installation depth number of modular width units fastening method	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system	
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any	
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any	o 75°C
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g	o 75°C
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions influence of the surrounding temperature	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to	o 75°C
Mechanical Design height width depth installation depth number of modular width units fastening method mounting position net weight Environmental conditions influence of the surrounding temperature standard	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077	o 75°C
Mechanical Design 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	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077	o 75°C
Mechanical Design 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	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz	o 75°C
Mechanical Design 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 • minimum	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz -40 °C	o 75°C
Mechanical Design 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 • minimum • maximum	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s ² at 25 to 150Hz -40 °C	o 75°C
Mechanical Design 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 • minimum • maximum ambient temperature during storage	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -40 °C 70 °C	o 75°C
Mechanical Design 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 • minimum • maximum ambient temperature during storage • minimum	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -40 °C 70 °C -40 °C 75 °C	o 75°C
Mechanical Design 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 • minimum • maximum ambient temperature during storage • minimum • maximum • maximum • maximum	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -40 °C 70 °C -40 °C 75 °C	o 75°C
Mechanical Design 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 • minimum • maximum ambient temperature during storage • minimum • maximum number of test cycles for environmental testing according to 60068-2-30 General Product Approval	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -40 °C 70 °C -40 °C 75 °C	
Mechanical Design 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 • minimum • maximum ambient temperature during storage • minimum • maximum number of test cycles for environmental testing according to 60068-2-30	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -40 °C 70 °C -40 °C 75 °C	o 75°C
Mechanical Design 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 • minimum • maximum ambient temperature during storage • minimum • maximum number of test cycles for environmental testing according to 60068-2-30 General Product Approval	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -40 °C 70 °C -40 °C 75 °C	
Mechanical Design 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 • minimum • maximum ambient temperature during storage • minimum • maximum number of test cycles for environmental testing according to 60068-2-30 General Product Approval	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -40 °C 70 °C -40 °C 75 °C	
Mechanical Design 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 • minimum • maximum ambient temperature during storage • minimum • maximum number of test cycles for environmental testing according to 60068-2-30 General Product Approval	90 mm 36 mm 76 mm 70 mm 2 Quick assembly system any 334 g max. 95% to 55°C, max. 55% to 70°C, max. 35% to IEC / EN 60898-1, IEC / EN 60947-2 / UL1077 ±1mm at 5 to 25Hz; 50m/s² at 25 to 150Hz -40 °C 70 °C -40 °C 75 °C	

EAC	<u>Miscellaneous</u>	RCM	EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	
Marine / Shipping					other	
ABS	BUREAU VERITAS	Lloyds Register us	RINA	DNV-GL CHMILCORK	Miscellaneous	
other	Railway		Environment			
<u>Confirmation</u>	Vibration and Shock	<u>Confirmation</u>	Environmental Con- firmations			
	t to exit the Russian marke		sian-business			
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Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SY7215-7						
Service&Support (Ma	anuals, Certificates, Charac	teristics, FAQs,)				
Image database (pro	duct images, 2D dimension	drawings, 3D models)		
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