SIEMENS

Product data sheet 3SE5112-0CH50



SIRIUS POSITION SWITCH METAL ENCLOSURE 40MM ACC. TO EN50041 DEVICE CONNECTION 1HX (M20X1.5) 1NO/1NC SNAP-ACTION CONTACTS ROTARY ACTUATOR RIGHT/LEFT ADJUSTABLE, W. LENGTH ADJUSTABLE METAL LEVER 100MM LONG AND PLASTIC ROLLER 19MM

Manufacturer article number

- of the basic unit included in the scope of supply
- of the actuator head for position switches included in the scope of supply
- of the operating lever included in the scope of supply

3SE5112-0CA00

3SE5000-0AH00

3SE5000-0AA50

General technical data:			
Product designation		standard position switch	
Explosion protection category for dust		none	
Insulation voltage			
• rated value	V	400	
Degree of pollution		class 3	
Thermal current	Α	6	
Operating current			
• at AC-15			
• at 24 V / rated value	Α	6	
at 125 V / rated value	Α	6	
at 230 V / rated value	Α	6	
at 400 V / rated value	Α	4	
• at DC-13			
• at 24 V / rated value	Α	3	
at 125 V / rated value	Α	0.55	

* typical 15,000,000	• at 230 V / rated value	Α	0.27
of the slow DIAZED fuse link of the quick DIAZED fuse link of the quick DIAZED fuse link of the Q characteristic circuit breaker Mechanical operating cycles as operating time with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT10267 (ypical) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT10267 (ypical) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 (ypical) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Resistance against vibration Resistance against vibration Resistance against vibration **C	• at 400 V / rated value	Α	0.1
of the quick DIAZED fuse link of the C characteristic circuit breaker of the C characteristic circuit breaker of the C characteristic circuit breaker other contacts typical letertical operating cycles as operating time other contacts SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical at Ac15 / at 230 V / typical at Ac15 / at 230 V / typical electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 suppose the contact of 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 Repeat accuracy mm o.05 Resign of the contact element Number of NC contacts for auxiliary contacts for different element which contact element characteristic circuit breaker during storage for auxiliary contacts for different element characteristic circuit breaker during storage for 25 +85 during storage for 40 +90 Product specification for dimensions metal Material of the enclosure Material of the enclosure of the switch head Design of the operating mechanism Actuating speed Material / of the enclosure / of the switch head Design of the operating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection Protection class IP mounting position Cable gland version Design of the electrical connection	Continuous current		
* of the C characteristic circuit breaker Mechanical operating cycles as operating time * typical Electrical operating cycles as operating time * with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical * at Ac-15 / at 230 V / typical * with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 operating cycles in one hour * with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 Repeat accuracy mm 0.05 Repeat accuracy for auxiliary contacts * for auxiliary contacts * for auxiliary contacts * for auxiliary contacts * during storage * during storage * C 25 +85 * during storage * C 40 +90 Product specification * for dimensions Width of the sensor Material / of the enclosure / of the switch head Design of the operating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection Plessified of the electrical connection Design of the electrical connection Electrical operating in the sensor Actualing speed mounting position Cable gland version Design of the electrical connection # In (M20 x 1.5) # I	• of the slow DIAZED fuse link	Α	6
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	Α	10
* typical 15,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,000,000 16,00	of the C characteristic circuit breaker	Α	1
Electrical operating cycles as operating time with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 10,000,000 Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 **with contact or 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 mm 0.05 Repeat accuracy mm 0.05 Pesign of the contact element **map-action contacts **tor auxiliary contacts 1 **tor auxiliary contacts 1 **for auxiliary contacts 1 **Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature **C	Mechanical operating cycles as operating time		
* with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 100,000 Electrical operating cycles in one hour * with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 ** with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 ** Repeat accuracy	• typical		15,000,000
### AC-15 / Ja 230 V / typical *al AC-15 / Ja 230 V / typical	Electrical operating cycles as operating time		
Electrical operating cycles in one hour *with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 Design of the contact element Number of NC contacts *for auxiliary contacts *for au			10,000,000
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element snap-action contacts Number of NC contacts • for auxiliary contacts 1 Resistance against vibration 303 / 11 ms Resistance against shock 309 / 11 ms Ambient temperature • during operating • during operating °C -25 +85 • during storage °C -40 +90 Product specification EN 50041 • for dimensions EN 50041 Width of the sensor mm 40 Material • of the enclosure / of the switch head metal Design of the operating mechanism Metal lever adjustable length, plastic roller 19 mm Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activa	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05 Design of the contact element Number of NC contacts • for auxillary c	Electrical operating cycles in one hour		
Design of the contact element Number of NC contacts • for auxiliary contacts Resistance against vibration Resistance against shock Ambient temperature • during operating • during operating • for dimensions • for dimensions Width of the sensor mm 40 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection samp-action contacts 1 N= 1 Actuating speed mm/s / m/s 0.25 Protection class IP mounting position Cable gland version Design of the electrical connection screw-type terminals			6,000
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Number of NO contacts	Number of NC contacts		
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Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection PC -25 +85 -40 +90 PN -90 EN 50041 EN 50041 Metal EN 50041 Metal Metal Metal Metal Metal lever adjustable length, plastic roller 19 mm O.25 Protection class IP mounting position Cable gland version Design of the electrical connection Screw-type terminals	Resistance against vibration		0.35 mm / 5g
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• during storage Product specification • for dimensions EN 50041 Width of the sensor mm 40 Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection o	Ambient temperature		
Product specification • for dimensions EN 50041 Width of the sensor Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed / mm/s / m/s Minimum actuating force / in activation direction / nounting position Cable gland version Design of the electrical connection EN 50041 Metal EN 50041 Metal Metal Metal Metal Metal lever adjustable length, plastic roller 19 mm 0.25 IP66/IP67 any 1x (M20 x 1.5) screw-type terminals	during operating	°C	-25 +85
• for dimensions Width of the sensor Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position EN 50041 Metal Wetal Metal Metal lever adjustable length, plastic roller 19 mm 0.1 1.5 Minimum actuating force / in activation direction N·m 0.25 Protection class IP mounting position Cable gland version Design of the electrical connection Screw-type terminals	during storage	°C	-40 +90
Width of the sensor mm 40 Material metal • of the enclosure metal Material / of the enclosure / of the switch head metal Design of the operating mechanism Metal lever adjustable length, plastic roller 19 mm Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N-m 0.25 Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Product specification		
Material • of the enclosure Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection Metal lever adjustable length, plastic roller 19 mm Metal lever adjustable length, plastic roller 19 mm 0.1 1.5 N·m 0.25 IP66/IP67 any Cable gland version 1x (M20 x 1.5) Screw-type terminals	• for dimensions	_	EN 50041
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Material / of the enclosure / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection metal Metal lever adjustable length, plastic roller 19 mm 0.1 1.5 N·m 0.25 IP66/IP67 any 1x (M20 x 1.5) screw-type terminals	Material		
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Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N·m 0.25 Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Material / of the enclosure / of the switch head		metal
Minimum actuating force / in activation direction N·m 0.25 Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Design of the operating mechanism		Metal lever adjustable length, plastic roller 19 mm
Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Actuating speed	mm/s / m/s	0.1 1.5
mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Minimum actuating force / in activation direction	N-m	0.25
Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Protection class IP		IP66/IP67
Design of the electrical connection screw-type terminals	mounting position		any
	Cable gland version		1x (M20 x 1.5)
Reference code	Design of the electrical connection		screw-type terminals
	Reference code		

• according to DIN 40719 extended according to IEC 204-2

• according to DIN EN 61346-2

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В

Certificates/ approvals:

General Product Approval

Declaration of Conformity

Test Certificates

other









Special Test Certificate Confirmation

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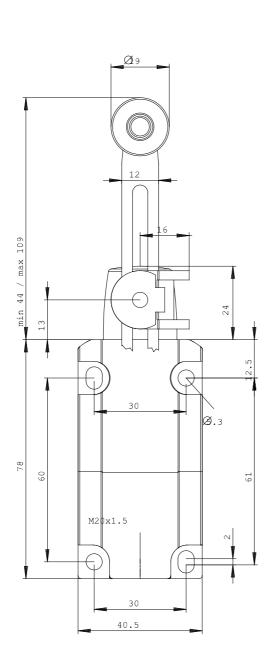
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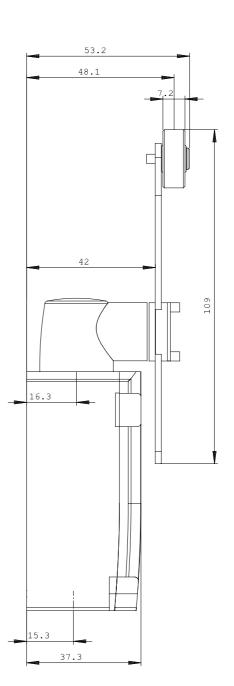
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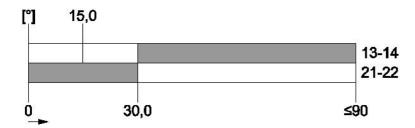
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

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