SIEMENS

Product data sheet 3SE5112-0CC02



SIRIUS POSITION SWITCH METAL ENCLOSURE 40MM ACC. TO EN50041 DEVICE CONNECTION 1X (M20X1.5) 1NO/1NC SNAP-ACTION CONTACTS ROUNDED PLUNGER W. 3MM OVER- TRAVEL, STAINLESS STEEL PLUNGER

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

3SE5112-0CA00

3SE5000-0AC02

General technical details:			
product designation		standard position switch	
Insulation voltage			
rated value	V	400	
Degree of pollution		class 3	
Thermal current	А	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	
• at 230 V / rated value	Α	0.27	
• at 400 V / rated value	Α	0.1	

Continuous current A 6 • of the slow DIAZED fuse link A 10 • of the Quick DIAZED fuse link A 10 • of the Q characteristic circuit breaker A 1 Mechanical operating cycles as operating time • byical 15,000,000 • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 / 3Prical 100,000 Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 6,000 • separa accuracy mm 0.05 Design of the contact element — 0.00 Number of NC contacts — 1 • for auxiliary contacts — 0.03 mm / 5g Design of the switching function — 0.35 mm / 5g Number of NC contacts — 1 • for auxiliary contacts — — Design of the switching function — 0.35 mm / 5g • for auxiliary contacts — — Resistance against vibration — 0.25 mm / 5g • during operating — — <		_	
The quick DIAZED fuse link of the C characteristic circuit breaker floor in poperating cycles as operating time typical Flectrical operating cycles as operating time with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / Spical at AC-15 / At 239 V / Vipical Flectrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / Spical at AC-15 / At 239 V / Vipical Flectrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Speat accuracy mmm 0.05 Repeat accuracy mmm 0.05 Repeat accuracy mmm 0.05 Repeat accuracy floor auxiliary contacts flo	Continuous current		
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Mechanical operating cycles as operating time	of the quick DIAZED fuse link	Α	10
Stypical	• of the C characteristic circuit breaker	Α	1
Electrical operating cycles as operating time 10,000,000 with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 10,000,000 Electrical operating cycles in one hour 100,000 with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element snap-action contacts Number of NC contacts 1 • for auxiliary contacts 1 Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature • during operating • during storage °C -25 +85 • for dimensions Resistance against wibration • for dimensions metal • for the housing metal • of the housing of the switch head metal • for the housing of the electrical contacts metal	Mechanical operating cycles as operating time		
• with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 10,000,000 • at AC-15 / at 230 V / typical 100,000 Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Besign of the contact element mm 0.05 Number of NC contacts 1 • contacts • for auxiliary contacts 1 • contacts • during operating °C -25 +85 • during operating °C -25 +85 • during storage °C -40 +90 Width of the ho	• typical		15,000,000
3RT1026 / typical 100,000 Electrical operating cycles in one hour 4 0,000 • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element anap-action contacts • for auxiliary contacts 1 • for auxiliary contacts 2 • during operating °C • during operating °C • during operating °C • for dimensions EN 50041 Width of the sensor mm material • fithe housing Material / of the housing / of the switch head stone the set set elplunger </td <td>Electrical operating cycles as operating time</td> <td></td> <td></td>	Electrical operating cycles as operating time		
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*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	• at AC-15 / at 230 V / typical		100,000
ART1026 mm 0.05 Design of the contact element snap-action contacts * for auxiliary contacts 1 * contacts 30g / 11 ms * Resistance against vibration 30g / 11 ms Resistance against shock 30g / 11 ms Ambient temperature * C 25 +85 * during storage * C 40 +90 Product specification EN 50041 * for dimensions EN 50041 Width of the sensor mm 40 * material metal * of the housing / of the switch head metal Design of the operating mechanism stainless steel plunger Actuating speed mm/s / m/s 01 1.5 Minimum actuating force / in activation direction N	Electrical operating cycles in one hour		
Design of the contact element Number of NC contacts • for auxiliary contacts Resistance against vibration Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage • C -25 +85 • during storage • C -40 +90 Product specification • for dimensions Width of the sensor mm 40 Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s N 20 Protection class IP Built in orientation Lend designation Item designation			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
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Design of the switching function positive opening Number of NO contacts	Number of NC contacts		
Number of NO contacts	for auxiliary contacts		1
* for auxiliary contacts 1 Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature ***C • 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 housing metal Material / of the housing / of the switch head metal Design of the operating mechanism stainless steel plunger Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 Built in orientation any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Design of the switching function		positive opening
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 during storage C -40 +90 Product specification for dimensions EN 50041 Width of the sensor	Ambient temperature		
Product specification • for dimensions Width of the sensor material • of the housing Material / of the housing / of the switch head Design of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP Built in orientation Cable gland version Design of the electrical connection Item designation EN 50041 metal metal metal metal metal onetal metal metal onetal metal petal metal onetal netal petal in metal petal in metal in	during operating	°C	-25 +85
For dimensions	during storage	°C	-40 +90
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Material / of the housing / of the switch head metal Design of the operating mechanism stainless steel plunger Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 Built in orientation any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation Item designation	material		
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Actuating speed mm/s / m/s 0.1 1.5 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 Built in orientation any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation	Material / of the housing / of the switch head		metal
Minimum actuating force / in activation direction Protection class IP Built in orientation Cable gland version Design of the electrical connection Item designation	Design of the operating mechanism		stainless steel plunger
Protection class IP Built in orientation Cable gland version 1x (M20 x 1.5) Design of the electrical connection Item designation	Actuating speed	mm/s / m/s	0.1 1.5
Built in orientation any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation	Minimum actuating force / in activation direction	N	20
Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation	Protection class IP		IP66/IP67
Design of the electrical connection screw-type terminals Item designation	Built in orientation		any
Item designation	Cable gland version		1x (M20 x 1.5)
	Design of the electrical connection		screw-type terminals
• according to DIN 40719 extendable after IEC 204-2	Item designation		
	according to DIN 40719 extendable after IEC 204-2		S

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Certificates/approvals:

General Product Approval

For use in hazardous locations

Functional Safety / Safety of Machinery

ROSTEST





DEKRA EXAM, **DMT**

ΤÜV

Test Certificates

other

Manufacturer

other

Manufacturer

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator

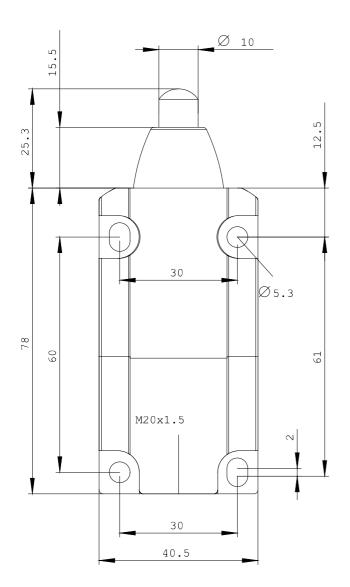
http://www.siemens.com/cax

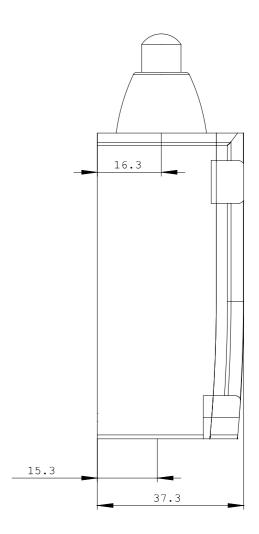
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SE5112-0CC02/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0CC02





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