SIEMENS

Product data sheet 3SE5112-0CD02



SIRIUS POSITION SWITCH METAL HOUSING 40MM TO EN50041 DEVICE CONNECTION 1X (M20X1,5) 1NO/ 1NC SNAP-ACTION CONTACTS ROLLER PLUNGER W. STAINL. STEEL ROLLER 13MM

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

3SE5000-0AD02

General technical details:		
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
• at 230 V / rated value	Α	0.27

Continuous current Child is slow DNZED fuse link A 6 • of the quick DNZED fuse link A 10 • of the Characteristic circuit breaker A 1 • Of the Characteristic circuit breaker A 1 • Wechanical operating cycles as operating time • 15,000,000 • wish, contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 / Sypical 100,000 • at A-16 / at 230 V / typical 100,000 Electrical operating cycles in one hour 05 • wish, contactor 3RH11, SRT1016, SRT1017, SRT1024, SRT1028, SRT1028, SRT1028 no Repeat accuracy 0 • begin of the contact element 0 • bring audilary contacts 1 • for audilary contacts<	• at 400 V / rated value	Α	0.1
• of the quick DIAZED fuse link • of the C characteristic circuit breaker Mechanical operating cycles as operating time • typical Electrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1006 / typical • at AC-15 / at 230 V / typical • at AC-15 / at 230 V / typical • cat AC-15	Continuous current		
• of the C characteristic circuit breaker Mechanical operating cycles as operating time • 'pipical Electrical operating cycles as operating time • 'wath contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 / typical • 'at AC-15 / at 230 V / typical • 'wath contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 / typical • 'wath contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 Repeat accuracy mrm 0.05 Repeat accuracy mrm 0.05 Repeat accuracy posign of the contact element Number of NC contacts • 'or auxiliary contacts • 'or auxiliary contacts • 'or auxiliary contacts • 'or auxiliary contacts • 'or during operating • during porating • during storage Product specification • for dimensions Width of the sensor Midth of the sensor Midth of the sensor Midth of the sensor Midterial / of the housing / of the switch head Design of the operating mechanism Actuating speed Material / of the housing / 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 Actuating position Cable gland version Design of the electrical connection Actuating position Cable gland version Design of the electrical connection Actuating position Cable gland version Design of the electrical connection Actuating position Cable gland version Design of the electrical connection Actuating position Cable gland version Design of the electrical connection Actuating position Cable gland version Design of the electrical connection	of the slow DIAZED fuse link	Α	6
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	Α	10
Position	of the C characteristic circuit breaker	Α	1
Electrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / With contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy mm 0.05 Repeat accuracy positive opening Number of NC contacts • for auxiliary contacts Resistance against vibration Resistance against vibration Resistance against vibration • during operating • during operating • during operating • during storage • during storage • during storage • for 25 +85 • during storage • for 40 +90 Product specification • for dimensions mm 40 Material • of the enclosure metal Material / of the housing / of the switch head metal metal Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.11 N 20 Protection class IP mounting position Li (M20 x 1.5) position position any Li (M20 x 1.5) position screw-type terminals	Mechanical operating cycles as operating time		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 100,000 Electrical operating cycles in one hour 6,000 • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element anap-action contacts Number of NC contacts 1 • for auxiliary contacts 30g / 11 ms Resistance against vibration 30g / 11 ms Resistance against shock 30g / 11 ms Ambient temperature *C -25 +85 • during operating *C -25 +85 • during operating *C -40 +90 Product specification *FN 50041 • for dimensions *EN 50041 Witth of the sensor mm 40 Material **The enclosure **The enclosure Actuating speed	• typical		15,000,000
3RT1026 / typical 100,000 Electrical operating cycles in one hour 6,000 • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element snap-action contacts • for auxiliary contacts positive opening Number of NC contacts 1 • for auxiliary contacts 1 Resistance against vibration 0.35 mm/5g Resistance against vibration 0.35 mm/5g Resistance against vibration ***C • during operating ***C • during operating ***C • for direction ***In South • for direction ***In South	Electrical operating cycles as operating time		
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1024, 3RT1025 6,000 Repeat accuracy mm 0.05 Design of the contact element mm 0.05 Number of NC contacts 1 contact contact element 1 Design of the switching function positive opening contact co			10,000,000
* with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 Repeat accuracy Design of the contact element Number of NC contacts • for auxiliary contacts • for au	• at AC-15 / at 230 V / typical		100,000
3RT1026 mm 0.05 Design of the contact element mm 0.05 Number of NC contacts	Electrical operating cycles in one hour		
Design of the contact element snap-action contacts Number of NC contacts			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
• for auxiliary contacts 1 Number of NO contacts 1 • for auxiliary contacts 1 Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature C -25 +85 • 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 enetal metal • of the enclosure metal metal Material / of the housing / of the switch head metal metal Design of the operating mechanism Stainless steel roller Actuating speed mm/s / m/s 20 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version Ix (M20 x 1.5) scew-type terminals	Design of the contact element		snap-action contacts
Design of the switching function positive opening Number of NO contacts for auxiliary contacts 1 Resistance against vibration 0.35 mm/5g Resistance against shock 30g/11 ms Ambient temperature during operating c -25 +85 during storage c -40 +90 Product specification for dimensions EN 50041 Width of the sensor mm 40 Material of the enclosure metal Material / of the housing / of the switch head metal Design of the operating mechanism Stainless steel roller Actuating speed mm/s / m/s Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Number of NC contacts		
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 during operating during storage C -25 +85 during storage C -40 +90 Product specification for dimensions EN 50041 Width of the sensor mm 40 Material of the enclosure metal Material / of the housing / of the switch head metal Design of the operating mechanism Stainless steel roller Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP mounting position lP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) screw-type terminals Design of the electrical connection screw-type terminals 	Resistance against shock		30g / 11 ms
 during storage C -40 +90 Product specification for dimensions EN 50041 Width of the sensor mm 40 Material of the enclosure metal Material / of the housing / of the switch head Design of the operating mechanism Stainless steel roller Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection	Ambient temperature		
Product specification • for dimensions Material • of the enclosure Material / of the housing / 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 Minimum actuation Cable gland version Design of the electrical connection Protection class IP screw-type terminals	during operating	°C	-25 +85
 • for dimensions Width of the sensor Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection EN 50041 metal metal stainless steel roller 0.1 1 1 2 2 3 4 2	during storage	°C	-40 +90
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Material / of the housing / of the switch headmetalDesign of the operating mechanismStainless steel rollerActuating speedmm/s / m/s0.1 1Minimum actuating force / in activation directionN20Protection class IPIP66/IP67mounting positionanyCable gland version1x (M20 x 1.5)Design of the electrical connectionscrew-type terminals	Material		
Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position Cable gland version Design of the electrical connection Stainless steel roller mm/s / m/s 0.1 1 N 20 IP66/IP67 any Screw-type terminals	of the enclosure		metal
Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 20 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 housing / of the switch head		metal
Minimum actuating force / in activation direction Protection class IP IP66/IP67 mounting position Cable gland version Design of the electrical connection N 20 IP66/IP67 any 1x (M20 x 1.5) screw-type terminals	Design of the operating mechanism		Stainless steel roller
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
mounting position Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals	Minimum actuating force / in activation direction	N	20
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)
Item designation	Design of the electrical connection		screw-type terminals
	Item designation		

• according to DIN 40719 extendable after IEC 204-2

• according to DIN EN 61346-2

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В	

Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery Declaration of Conformity

Test Certificates











Special Test Certificate

other

Confirmation

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

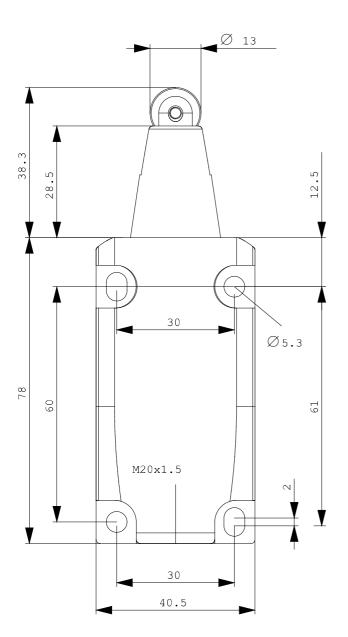
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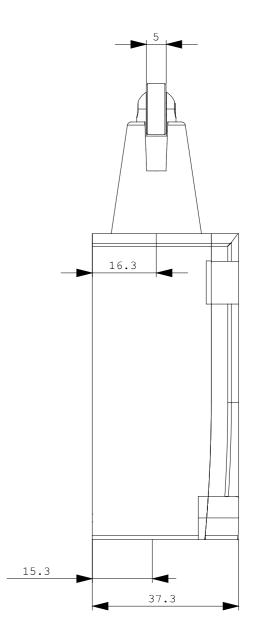
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SE5112-0CD02/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0CD02







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