SIEMENS

Product data sheet 3SE5112-0CE01



SIRIUS POSITION SWITCH METAL ENCLOSURE 40MM ACC. TO EN50041 DEVICE CONNECTION 1X (M20X1.5) 1NO/1NC SNAP-ACTION CONTACTS METAL ROLLER LEVER AND PLASTIC ROLLER 22MM

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

3SE5000-0AE01

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 Continuous current A 6 6 • of the slow DNZED fuse link 10 10 • of the Characteristic circuit breaker A 1 • Ofte Characteristic circuit breaker A 1 • Ofte Characteristic circuit breaker B 2 15,000,000 • Wechanical operating cycles as operating time • 15,000,000 • 100,000 • Wide Contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 yipical • 100,000 • 100,000 • A 10 - 15 of 220 V / typical • 100,000 • 100,000 Electrical operating cycles in one hour • 100,000 • 100,000 • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 • 6,000 • 100,000 Repeat accuracy m 0,05 • 00 • 00 Repeat accuracy of the contact element • 0,0 • 00 • 00 Number of NC contacts • 1	• 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 • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026 / typical • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1006 / typical • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1006 Posign of the contact element Number of NC contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary conta	Continuous current		
• of the C characteristic circuit breaker Mechanical operating cycles as operating time • 'pipical Electrical operating cycles as operating time • 'with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 / typical • 'at AC-15 / at 230 V / typical • 'with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 operating cycles in one hour • 'with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 Repeat accuracy mrm	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 mm 0.05 Repeat accuracy mm 0.05 Repsign of the contact element Number of NC contacts *for auxiliary contacts *for auxili	Mechanical operating cycles as operating time		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 10,000,000 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 Number of NC contacts 1 • for auxiliary contacts 30,35 mm / 5g Resistance against vibration 30,35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature *C -25 +85 • during operating *C -25 +85 • during operating *M *C • for dimensions *EN 50041 Width of the sensor mm 40 *Material *M *M • of the enclosure *metal *Actuating speed *mm/s / m/s	• 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 I contacts positive opening • for auxiliary contacts 1 Resistance against vibration 0.35 mm/5g Resistance against vibration 90,511 ms Auxiliary contacts 2 • during operating °C -25 +85 • during storage °C -40 +90 Product specification Product specification Product specification Product specification <t< td=""><td>Electrical operating cycles as operating time</td><td></td><td></td></t<>	Electrical operating cycles as operating time		
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* 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 Repeat accuracy mm 0.05 Design of the contact element snap-action contacts Number of NC contacts 1 for auxiliary contacts 1 Number of NO contacts 1 for auxiliary contacts 1 Resistance against vibration 2 0.35 mm / 5g Resistance against vibration 309 / 11 ms Ambient temperature *C -25 +85 during operating *C -25 +85 during storage *C -40 +90 Product specification EN 50041 vior 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 metal Actuating speed mm/s / m/s 0.1 2.5 Minimum actuating force / in activation direction N 10 Protection class IP IP66/IP67 mounting position IX	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 enterial metal • of the enclosure metal metal Material / of the housing / of the switch head metal metal Design of the operating mechanism metal lever, plastic roller Actuating speed mm/s / m/s 0.1 2.5 Minimum actuating force / in activation direction N 10 Protection class IP IP66/IP67 mounting position any Cable gland version Ix (M20 x 1.5) screw-type terminals	Design of the contact element		snap-action contacts
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 enclosure metal Material / of the housing / of the switch head metal Design of the operating mechanism metal lever, plastic roller Actuating speed mm//s / m/s 0.1 2.5 Minimum actuating force / in activation direction N 10 Protection class IP IP 66/IP67 mounting position 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 Product specification for dimensions EN 50041 Width of the sensor 	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 Middenial EN 50041 EN 50041 metal metal metal metal metal lever, plastic roller metal lever, plastic roller 10 10 10 10 10 10 10 10 10 1	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 Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection Middle Sensor EN 50041 Actuation device of metal metal metal metal metal lever, plastic roller me	during storage	°C	-40 +90
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 Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Midd with the sensor metal metal metal metal lever, plastic roller 10 11 12 13 14 15 15 15 15 16 17 18 18 18 18 18 18 18 18 18	Product specification		
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 Material metal metal metal metal lever, plastic roller mm/s / m/s 0.1 2.5 N 10 IP66/IP67 any Cable gland version 1x (M20 x 1.5) screw-type terminals	• for dimensions		EN 50041
• 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 metal petal metal metal petal metal metal metal petal metal metal petal metal metal metal petal metal metal metal petal metal metal petal metal metal metal petal metal petal metal metal petal metal petal metal metal petal metal metal petal metal metal petal metal petal metal petal metal petal metal petal metal metal petal metal petal metal petal metal metal petal metal metal petal metal metal metal petal metal petal metal metal metal petal metal metal metal metal metal metal metal metal metal petal metal	Width of the sensor	mm	40
Material / of the housing / of the switch headmetalDesign of the operating mechanismmetal lever, plastic rollerActuating speedmm/s / m/s0.1 2.5Minimum actuating force / in activation directionN10Protection 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 2.5 Minimum actuating force / in activation direction N 10 Protection class IP mounting position Cable gland version Design of the electrical connection metal lever, plastic roller mm/s / m/s 0.1 2.5 N 10 IP66/IP67 any 1x (M20 x 1.5) screw-type terminals	of the enclosure		metal
Actuating speed mm/s / m/s 0.1 2.5 Minimum actuating force / in activation direction N 10 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 10 IP66/IP67 any 1x (M20 x 1.5) screw-type terminals	Design of the operating mechanism		metal lever, plastic 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 2.5
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	10
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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Certificates/approvals:

General Product Approval

Functional Safety / Safety of Machinery Declaration of Conformity













Test Certificates

other

Special Test Certificate 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

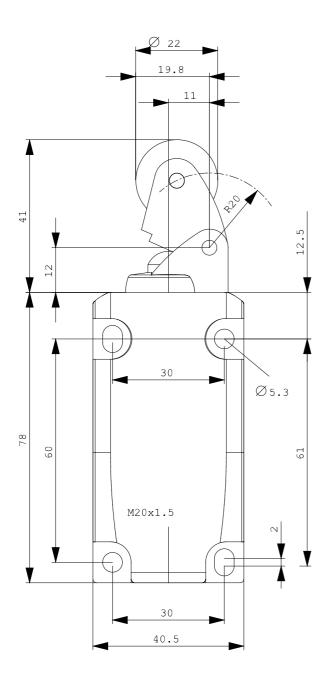
http://www.siemens.com/cax

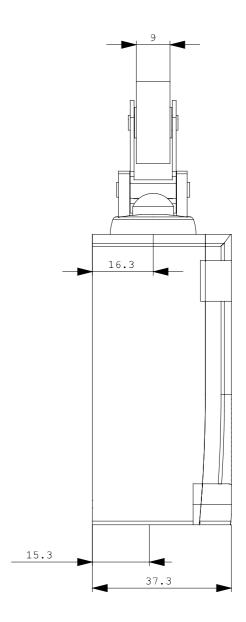
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

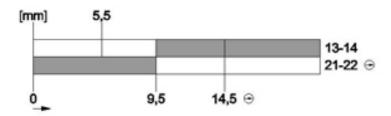
http://support.automation.siemens.com/WW/view/en/3SE5112-0CE01/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0CE01}$







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