

SIRIUS POSITION SWITCH W. INCREASED CORROSION PROTECTION METAL ENCLOSURE TO EN50047, 31MM DEVICE CONNECTION 1X(M20X1.5); 1NO/1NC SLOW-ACTION CONTACTS WITH PLUNGER

Manufacturer article number

• of the basic unit included in the scope of supply

3SE5212-0BC05-1CA0

General technical details:		
product designation		standard position switch
Product feature		increased corrosion protection
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	3
• 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		

• of the quick DIAZED tase link A 10 • of the Quick DIAZED tase link A 10 • of the Quick DIAZED tase link 2 • of the Quick porating cycles as operating time • 15,000,000 • Nypical 5 10,000,000 Electrical operating cycles as operating time • 10,000,000 • 10,000,000 • AN < 15 / at 230 V / bycal • 10,000,000 • 10,000,000 Electrical operating cycles in one hour • 10,000,000 • 10,000,000 • with contacted PRINT1, SRT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 • 6,000 • 10,000,000 Repeat accuracy mm 0.5 • 0.00 Design of the contact element mm 0.5 • 10,000,000 Number of NC contacts mm 0.5 • 10,000,000 Number of NC contacts 1 • 10,000,000 • 10,000,000 Number of NC contacts 1 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000 • 10,000,000			
** of the C characteristic circuit breaker **bipical	of the slow DIAZED fuse link	Α	6
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	Α	10
15,000,000 Electrical operating cycles as operating time	of the C characteristic circuit breaker	Α	2
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, 3RT1028 Repeat accuracy Design of the contact element Number of NC contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts Resistance against vibration • during operating • during operating • during operating • of the enclosure Material • of the housing / of the switch head Design of the coparting mechanism Actuating speed Actuating speed Actuating speed Minimum actuating force / in activation direction Protection class IP mountling position Cable gland version Pesign of the electrical connection Limit Material • of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mountling position Cable gland version Design of the electrical connection Limit Material • of the electrical connection Protection class IP mountling position Cable gland version Design of the electrical connection Limit Material • of the electrical connection Limit Material • of the electrical connection Limit Material • of the operating mechanism Actuating speed Minimum actuating force / in activation direction Protection class IP mountling position Cable gland version Design of the electrical connection Limit Material • of the operating mechanism Actuating speed	Mechanical operating cycles as operating time		
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ART1028 / typical 100,000 Electrical operating cycles in one hour 6,000 with contactor 3RH11, SRT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 6,000 Repeat accuracy mm 0,55 Design of the contact element to auxiliary contacts 1 Winder of NC contacts 1 1 vior auxiliary contacts 1 1 Possign of the switching function 1 1 Number of NO contacts 1 1 vior auxiliary contacts 1 1 Resistance against vibration 1 305 mm / 5g Resistance against vibration 2 305 mm / 5g Resistance against vibration **C -25 +85 during storage **C -25 +85 during storage **C -25 +85 void intensions **C -40 +90 Product specification **C -50 +90 vior dimensions **E **E Material **I **I of the enclosure **metal **I	Electrical operating cycles as operating time		
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element slow-action contacts Winber of NC contacts 1 • for auxiliary contacts 1 Resistance against vibration 0.35 mm / 5g Resistance against vibration 30g / 11 ms Ambient temperature 40 mg / 25 mg / 48 • during operating *C -25 mg / 48 • during storage *C -25 mg / 48 • for dimensions mm 31 Product specification FN 50047 • for dimensions metal 48 Material metal 48 • of the enclosure metal 48 Material / of the housing / of the switch head 15 48 Design of the operating mechanism 1 46 Actualing speed mm/s / m/s <t< td=""><td></td><td></td><td>10,000,000</td></t<>			10,000,000
* 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 • auxiliary contacts • for auxiliary contacts • auxiliary contacts • for dimensents • for dimens	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05 Design of the contact element slow-action contacts Number of NC contacts	Electrical operating cycles in one hour		
Design of the contact element slow-action contacts Number of NC contacts			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
* for auxiliary contacts Design of the switching function Number of NO contacts * for auxiliary contacts Resistance against vibration Resistance against shock Ambient temperature * during operating * during storage Product specification * 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 Length of the electrical connection Resistance against vibration positive opening 1 * (1) * (2) * (3) * (3) * (4	Design of the contact element		slow-action contacts
Design of the switching function positive opening Number of NO contacts	Number of NC contacts		
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Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature C -25 +85 • during operating °C -40 +90 Product specification EN 50047 • for dimensions EN 50047 Width of the sensor mm 31 Material plastic • of the enclosure metal Material / of the housing / of the switch head plastic Design of the operating mechanism teflon plunger Actuating speed mm/s / m/s 0.4 1.5 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 Item designation screw-type terminals	Number of NO contacts		
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befor dimensions Midth of the sensor	during storage	°C	-40 +90
Width of the sensor mm 31 Material of the enclosure metal Material / of the housing / of the switch head plastic Design of the operating mechanism teflon plunger Actuating speed mm/s / m/s 0.4 1.5 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 Item designation screw-type terminals • according to DIN 40719 extendable after IEC 204-2 S	Product specification		
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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 In the plastic teflon plunger mm/s / m/s 0.4 1.5 N 20 Protection class IP IP66/IP67 any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation • according to DIN 40719 extendable after IEC 204-2 S	Material		
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Actuating speed mm/s / m/s 0.4 1.5 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 Item designation	Material / of the housing / of the switch head		plastic
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Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation • according to DIN 40719 extendable after IEC 204-2 S	Protection class IP		IP66/IP67
Design of the electrical connection screw-type terminals Item designation • according to DIN 40719 extendable after IEC 204-2 S	mounting position		any
Item designation • according to DIN 40719 extendable after IEC 204-2 S	Cable gland version		1x (M20 x 1.5)
• according to DIN 40719 extendable after IEC 204-2	Design of the electrical connection		screw-type terminals
	Item designation		
• according to DIN EN 61346-2	according to DIN 40719 extendable after IEC 204-2		S
	according to DIN EN 61346-2		В

Certificates/approvals:

General Product Approval

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:

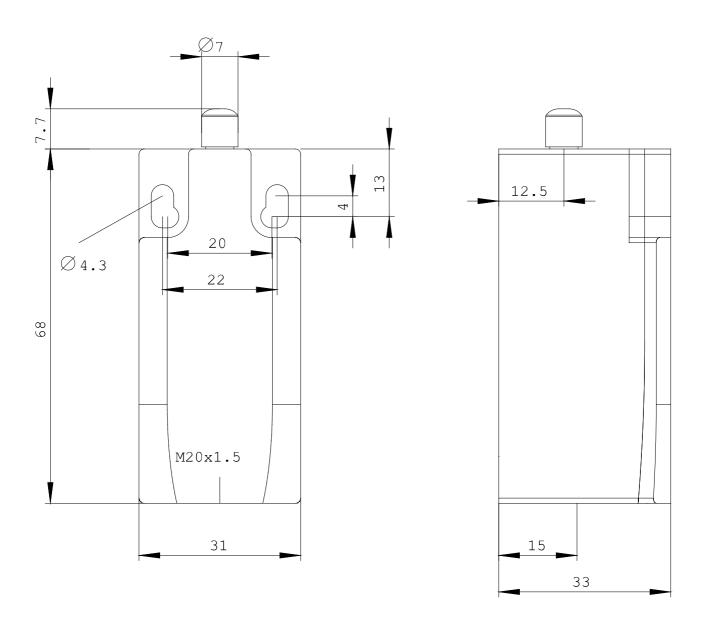
http://www.siemens.com/cax

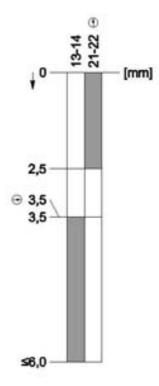
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SE5212-0BC05-1CA0/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5212-0BC05-1CA0





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