SIEMENS

Product data sheet 3SE5122-0KD02



SIRIUS POSITION SWITCH METAL ENCLOSURE 56MM WIDE DEVICE CONNECTION 3X (M20X1.5) 1NO/ 2NC SLOW-ACTION CONTACTS ROLLER PLUNGER W. STAINLESS 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

3SE5122-0KA00

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	1.5
• 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 glock DIAZED fuse link			
• of the C characteristic circuit breaker A 1 Mechanical operating cycles as operating time • vipical 15,000,000 Electrical operating cycles as operating time • vish consistor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 / Vypical 10,000,000 Electrical operating cycles in one hour • vish consistor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 100,000 Electrical operating cycles in one hour • vish consistor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1028 mm 0.5 Repeat accuracy mm 0.5 0.000 Design of the contact element mm 0.5 0.000 Number of NC contacts • for auxiliary contacts 2 positive opening Posign of the switching function 1 5 2 Number of NC contacts • for auxiliary contacts 1 5 2 Resistance against vibration 2 0.35 mm / 5g 3 Resistance against vibration mm 36 3 Resistance against vibration mm 56 4 Width of the sensor mm 6 4 4 4 Auting storage metal 4	of the slow DIAZED fuse link	А	6
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	А	10
Polymerating cycles as operating time	of the C characteristic circuit breaker	Α	1
Electrical operating cycles as operating time	Mechanical operating cycles as operating time		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical 10,000 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 alow-action contacts Number of NC contacts 2 • for auxiliary contacts 2 • for auxiliary 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 Width of the sensor mm 56 Material • of the enclosure metal Material • of the operating mechanism X initial set seel roller Actualing speed mm/s / m/s 34	• typical		15,000,000
ART1026 / typical • at AC-15 / at 230 V / typical • at AC-15 / at 230 V / typical • 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 for auxiliary contacts • during operating • during operating • during storage • for auxiliary contacts • for auxiliary contac	Electrical operating cycles as operating time		
Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Design of the contact element slow-action contacts Number of NC contacts 2 of auxiliary contacts 2 In auxiliary contacts 1 Resistance against vibration 2 0.35 mm / 5g Resistance against vibration 30g / 11 ms Ambient temperature 4 25 mm / 5g during operating °C 25 m/ 85 during storage °C 25 m/ 85 Width of the sensor mm 56 Material of the enclosure metal Material / of the housing / of the switch head metal Design of the operating mechanism Saliniess steel roller Actuating speed mm/s / m/s 0.4 m 1 Minimum actuating force / in activation direction mm/s / m/s 0.4 m 1 Protection class IP IP66/IP67 mounting position 3 x (M20 x 1.5) Design of the electrical connection 3 corew-type terminals </td <td></td> <td></td> <td>10,000,000</td>			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
ART1026 Mmm 0.05 Design of the contact element slow-action contacts Number of NC contacts 2 * for auxiliary contacts 2 Design of the switching function 2 Number of NC contacts 1 * for auxiliary contacts 1 Resistance against vibration 303 /11 ms Resistance against shock 305 /11 ms Ambient temperature **C -25 +85 * during operating **C -25 +85 * during storage **C -40 +90 Width of the sensor mm 56 Material ** metal * 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 0.4 1 Minimum actuating force / in activation direction N 20 Protection class IP ** IP66/IP67 mounting position 3 x (M20 x 1.5) 3 x (M20 x 1.5) Besign of the electrical conn	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 • during storage • C			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
Posign of the switching function Number of NO contacts	Design of the contact element		slow-action contacts
Design of the switching function Number of NO contacts 1 1 1 1 1 1 1 1 1	Number of NC contacts		
Number of NO contacts	for auxiliary contacts		2
• for auxiliary contacts 1 Resistance against vibration 0.35 mm / 5g Resistance against shock 30g / 11 ms Ambient temperature • during operating • °C <ld>-25 +85 • during storage °C <ld>-40 +90 Width of the sensor mm <ld>56 Material • of the enclosure Material / of the housing / of the switch head metal Design of the operating mechanism Stainless steel roller Actuating speed mm/s / m/s 0.4 1 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version 3 x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation screw-type terminals</ld></ld></ld>	Design of the switching function		positive opening
Resistance against vibration Resistance against shock Ambient temperature · during operating · during storage 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 Item designation · according to DIN 40719 extendable after IEC 204-2 **O **C **-25 +85 **-25 +85 **-26 +90 **O **-25 +85 **-26 +90 **O **-40 +90 **O **-40 +90 **Material / of the sensor metal metal metal metal **Material / of the housing / of the switch head **metal / metal **Material / of the housing / of the switch head **metal / metal **metal / metal **Material / of the housing / of the switch head **metal / metal **Material / of the housing / of the switch head **metal / metal **metal / of the housing / of the switch head **metal / metal **metal / metal **metal / metal **metal / metal / metal / metal **metal / metal	Number of NO contacts		
Resistance against shock Ambient temperature	for auxiliary contacts		1
Ambient temperature • during operating • during storage *C -25 +85 • during storage *C -40 +90 Width of the sensor mm 56 Material • of the enclosure metal Material/ of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.4 1 Minimum actuating force / in activation direction N 20 Protection class IP mounting position Cable gland version Design of the electrical connection Design of the electrical connection Let m designation • according to DIN 40719 extendable after IEC 204-2 S -25 +85 -25 +85 -25 +85 -26 +90 -27 +90 -28	Resistance against vibration		0.35 mm / 5g
 during operating during storage C -25 +85 40 +90 Width of the sensor mm 56 Material of the enclosure metal Material / of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.4 1 Minimum actuating force / in activation direction N 20 Protection class IP mounting position any Cable gland version 3 x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation according to DIN 40719 extendable after IEC 204-2 S	Resistance against shock		30g / 11 ms
• during storage 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 Nacy 3 x (M20 x 1.5) Screw-type terminals Item designation • according to DIN 40719 extendable after IEC 204-2 **Octobre Screw-type terminals** **Actuating speed	Ambient temperature		
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 N 20 Row Protection Class IP mounting position Cable gland version Design of the electrical connection N 20 S crew-type terminals Item designation according to DIN 40719 extendable after IEC 204-2 S S	during operating	°C	-25 +85
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 Navy Cable gland version Design of the electrical connection Navy Cable gland version According to DIN 40719 extendable after IEC 204-2 Material metal	during storage	°C	-40 +90
• 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 0.4 1 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version 3 x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation • according to DIN 40719 extendable after IEC 204-2 S	Width of the sensor	mm	56
Material / of the housing / of the switch headmetalDesign of the operating mechanismStainless steel rollerActuating speedmm/s / m/s0.4 1Minimum actuating force / in activation directionN20Protection class IPIP66/IP67mounting positionanyCable gland version3 x (M20 x 1.5)Design of the electrical connectionscrew-type terminalsItem designation • according to DIN 40719 extendable after IEC 204-2S	Material		
Design of the operating mechanism Actuating speed mm/s / m/s 0.4 1 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version 3 x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation • according to DIN 40719 extendable after IEC 204-2 Stainless steel roller N 20 IP66/IP67 any 3 x (M20 x 1.5) Screw-type terminals	• of the enclosure		metal
Actuating speed mm/s / m/s 0.4 1 Minimum actuating force / in activation direction N 20 Protection class IP IP66/IP67 mounting position any Cable gland version 3 x (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 / 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 Item designation • according to DIN 40719 extendable after IEC 204-2 N 20 IP66/IP67 any 3 x (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 3 x (M20 x 1.5) Design of the electrical connection screw-type terminals Item designation • according to DIN 40719 extendable after IEC 204-2 S IP66/IP67 any 3 x (M20 x 1.5) S S	Actuating speed	mm/s / m/s	0.4 1
mounting position any Cable gland version 3 x (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	Minimum actuating force / in activation direction	N	20
Cable gland version 3 x (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		3 x (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 B	according to DIN 40719 extendable after IEC 204-2		S
	according to DIN EN 61346-2		В

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

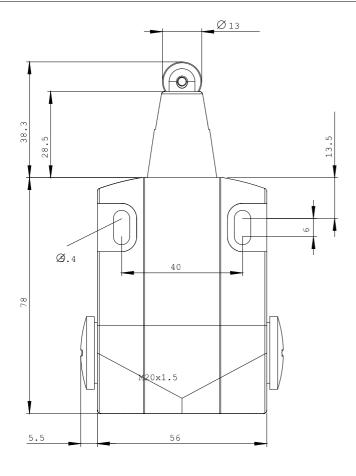
http://www.siemens.com/cax

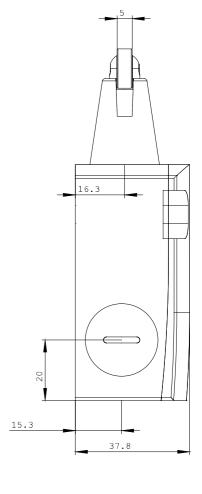
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SE5122-0KD02/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5122-0KD02}}$







last change: Feb 18, 2013