# **SIEMENS**

Product data sheet 3SE5242-0GC05



SIRIUS POSITION SWITCH; PLASTIC HOUSING ACC. TO EN50047, 50MM DEVICE CONNECTION 2X(M20X1.5); 1NO/1NC SLOW-ACTION CONTACTS 2X2MM CONTACT OPENING TEFLON PLUNGER

### Manufacturer article number

• of the basic unit included in the scope of supply

3SE5242-0GC05

General technical data:			
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	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 slow DIAZED fuse link	Α	6	

Lot the C characteristic circuit breaker         A         2           Mechanical operating cycles as operating time	of the quick DIAZED fuse link	Α	10
Stypical	of the C characteristic circuit breaker	Α	2
Electrical operating cycles as operating time  *with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical  *at AC-15 / at 230 V / typical  Electrical operating cycles in one hour  *with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 / G.000  Repeat accuracy  mm 0.05  Repeat accuracy  mm 0.05  Repeat or NC contacts  *for auxiliary contacts  *for auxiliar	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         snap-action contacts           • for auxiliary contacts         1           • for auxiliary conta	• typical		15,000,000
ART1026 / typical  • at AC-15 / at 230 V / typical  • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Repeat accuracy  mmm 0.05  Repeat accuracy mmm 0.05  Resign of the contact element  Number of NC contacts • for auxiliary con	Electrical operating cycles as operating time		
Electrical operating cycles in one hour  • 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  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  Resistance against vibration  Resistance against vibration  Rumber of NC contacts  • during operating • during storage  • during storage  • with enclosure  Material • of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  Material / of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  Minimum actuating force / in activation direction  Protection class IP  mounting position  Reference code • according to DIN 40719 extended according to IEC 204-2  Brook according to DIN 40719 extended according to IEC 204-2   mm/s			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         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  Number of NC contacts  • for auxiliary contacts  Resistance against vibration  Resistance against shock  Ambient temperature  • during operating • during storage  • during storage  • C			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
to reauxiliary contacts  Design of the switching function  Number of NO contacts to reauxiliary contacts to reauxiliary contacts  Resistance against vibration  Resistance against shock  Ambient temperature during operating during storage  **C -25 +85 during storage  **C -40 +90  Width of the sensor  Material during the enclosure of the switch head  Design of the operating mechanism  Actuating speed  **C -40 +90  Material of the enclosure of the switch head  Design of the operating mechanism  Actuating speed  **Minimum actuating force / in activation direction  N 20  Protection class IP  mounting position  Cable gland version  Design of the electrical connection  Reference code during to DIN 40719 extended according to IEC 204-2  **S S S S S S S S S S S S S S S S S S	Design of the contact element		snap-action contacts
Design of the switching function     positive opening, 2x2 mm contact opening       Number of NO contacts <ul> <li>for auxiliary contacts</li> <li>1</li> </ul> 1               Resistance against vibration             0.35 mm / 5g               Resistance against shock             30g / 11 ms               Ambient temperature <ul></ul>	Number of NC contacts		
Number of NO contacts	for auxiliary contacts		1
* for auxiliary contacts  Resistance against vibration  Resistance against shock  Ambient temperature     * during operating     * during storage  **C**  **OC**	Design of the switching function		positive opening, 2x2 mm contact opening
Resistance against vibration  Resistance against shock  Ambient temperature  • during operating • during storage  Width of the sensor  Material • of the enclosure  Material / of the enclosure / 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  Reference code • according to DIN 40719 extended according to IEC 204-2  **O	Number of NO contacts		
Resistance against shock  Ambient temperature  • during operating • during storage  Width of the sensor  Material • of the enclosure  Material / of the enclosure / 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  Design of the electrical connection  Reference code • according to DIN 40719 extended according to IEC 204-2  ### Actuating speed  #	for auxiliary contacts		1
Ambient temperature  • during operating • during storage  *C -25 +85  • during storage  *C -40 +90  Width of the sensor  mm 50  Material • of the enclosure  Material / of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  mm/s / m/s  Minimum actuating force / in activation direction  N 20  Protection class IP  mounting position  Cable gland version  Design of the electrical connection  Reference code • according to DIN 40719 extended according to IEC 204-2  S  *C -25 +85  -25 +85  -25 +85  -26 +90  -26 +90  -27 +90  -28 +90  -29 +90  -20 +90	Resistance against vibration		0.35 mm / 5g
<ul> <li>during operating</li> <li>during storage</li> <li>C -25 +85</li> <li>during storage</li> <li>C -40 +90</li> </ul> Width of the sensor mm 50 Material <ul> <li>of the enclosure</li> <li>plastic</li> </ul> Material / of the enclosure / of the switch head <ul> <li>plastic</li> </ul> Design of the operating mechanism <ul> <li>teflon plunger</li> </ul> Actuating speed <ul> <li>mm/s / m/s</li> <li>0.1 1.5</li> </ul> Minimum actuating force / in activation direction <ul> <li>N 20</li> </ul> Protection class IP <ul> <li>mounting position</li> <li>any</li> </ul> Cable gland version <ul> <li>2 x (M20 x 1.5)</li> </ul> Design of the electrical connection <ul> <li>screw-type terminals</li> </ul> Reference code <ul> <li>according to DIN 40719 extended according to IEC 204-2</li> </ul> S	Resistance against shock		30g / 11 ms
• during storage  • during storage  width of the sensor  mm  for  Material  • of the enclosure  Material / of the enclosure / 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  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2   wmm  so Cable gland version  S Cable gland version  S S	Ambient temperature		
Width of the sensor  Material  of the enclosure  Material / of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  mm/s / m/s  0.1 1.5  Minimum actuating force / in activation direction  N 20  Protection class IP  mounting position  Cable gland version  Design of the electrical connection  Reference code  according to DIN 40719 extended according to IEC 204-2  mm/s / m/s  plastic  plastic  teflon plunger  teflon plunger  N 20  2 x (M20 x 1.5)  screw-type terminals	during operating	°C	-25 +85
Material  of the enclosure  Material / of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  mm/s / m/s  0.1 1.5  Minimum actuating force / in activation direction  N  20  Protection class IP  mounting position  Cable gland version  Design of the electrical connection  Reference code  o according to DIN 40719 extended according to IEC 204-2  Material  plastic  plas	during storage	°C	-40 +90
• of the enclosure plastic  Material / of the enclosure / of the switch head plastic  Design of the operating mechanism teflon plunger  Actuating speed mm/s / m/s 0.1 1.5  Minimum actuating force / in activation direction N 20  Protection class IP IP66/IP67  mounting position any  Cable gland version 2 x (M20 x 1.5)  Design of the electrical connection screw-type terminals  Reference code  • according to DIN 40719 extended according to IEC 204-2  S	Width of the sensor	mm	50
Material / of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed mm/s / m/s 0.1 1.5  Minimum actuating force / in activation direction N 20  Protection class IP IP66/IP67  mounting position any  Cable gland version 2 x (M20 x 1.5)  Design of the electrical connection screw-type terminals  Reference code  • according to DIN 40719 extended according to IEC 204-2  S	Material		
Design of the operating mechanism  Actuating speed  mm/s / m/s  0.1 1.5  Minimum actuating force / in activation direction  N  20  Protection class IP  mounting position  Cable gland version  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2  telfon plunger  teflon plunger  telfon plun	of the enclosure		plastic
Actuating speed mm/s / m/s 0.1 1.5  Minimum actuating force / in activation direction N 20  Protection class IP IP66/IP67  mounting position any  Cable gland version 2 x (M20 x 1.5)  Design of the electrical connection screw-type terminals  Reference code  • according to DIN 40719 extended according to IEC 204-2 S	Material / of the enclosure / of the switch head		plastic
Minimum actuating force / in activation direction  Protection class IP  IP66/IP67  mounting position  Cable gland version  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2  N  20  IP66/IP67  any  2 x (M20 x 1.5)  screw-type terminals	Design of the operating mechanism		teflon plunger
Protection class IP  mounting position  Cable gland version  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2  IP66/IP67  any  2 x (M20 x 1.5)  screw-type terminals	Actuating speed	mm/s / m/s	0.1 1.5
mounting position  Cable gland version  2 x (M20 x 1.5)  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2  S  any  2 x (M20 x 1.5)  screw-type terminals	Minimum actuating force / in activation direction	N	20
Cable gland version 2 x (M20 x 1.5)  Design of the electrical connection screw-type terminals  Reference code  • according to DIN 40719 extended according to IEC 204-2  S	Protection class IP		IP66/IP67
Design of the electrical connection screw-type terminals  Reference code  • according to DIN 40719 extended according to IEC 204-2  S	mounting position		any
Reference code  • according to DIN 40719 extended according to IEC 204-2  S	Cable gland version		2 x (M20 x 1.5)
according to DIN 40719 extended according to IEC 204-2     S	Design of the electrical connection		screw-type terminals
	Reference code		
• according to DIN EN 61346-2	• according to DIN 40719 extended according to IEC 204-2		S
	according to DIN EN 61346-2		В

## Certificates/ approvals:

### **General Product Approval**

**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

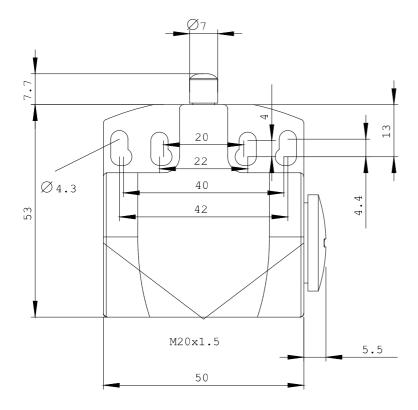
http://www.siemens.com/cax

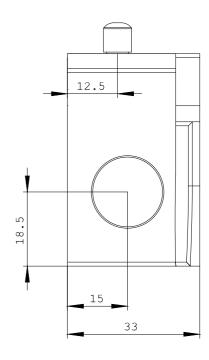
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

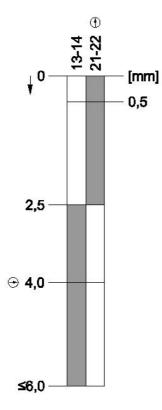
http://support.automation.siemens.com/WW/view/en/3SE5242-0GC05/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3SE5242-0GC05







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