# **SIEMENS**

Product data sheet 3SE5122-0PC02



POSITION SWITCH 3SE5122, METAL ENCLOSURE 56MM, 3X(M20X1.5) 2NO/1NC SLOW-ACTION CONTACTS WITH ROUNDED PLUNGER, STAINLESS STEEL AND WITH 3MM OVERTRAVEL

#### 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

3SE5122-0PA00

3SE5000-0AC02

General technical data:		
Product designation		standard position switch
Explosion protection category for dust		none
Insulation voltage		
• rated value	V	250
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 quick DIAZED fuse link • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1028, SRT1026, SRT1026 V/ppical • at AC-15 / at 230 V / ppical • at AC-15 / at 230 V / ppical • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1028, SRT1026 • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1028, SRT1026 • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1028, SRT1026 • Repeat accuracy			
• of the C characteristic circuit breaker    Mechanical operating cycles as operating time   • typical	of the slow DIAZED fuse link	А	6
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	А	6
Polypical   15,000,000,000   15,000,000	of the C characteristic circuit breaker	Α	1
Electrical operating cycles as operating time  * with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / lypical  * at AC-15 / at 230 V / lypical  Electrical operating cycles in one hour  * with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1028, 3RT1028 / SRT1028 / Repeat accuracy  Design of the contact element  Number of NC contacts  * for auxiliary contacts  * auxiliary contacts  * for auxiliary contacts  * auxiliary contacts  * for auxilia	Mechanical operating cycles as operating time		
• with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical         10,0000           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         slow-action contacts           • for auxiliary contacts         1           • for auxiliary contacts         2           • for auxiliary contacts         2           • for auxiliary contacts         2           • for auxiliary contacts         30g / 11 ms           • for auxiliary contacts         30g / 11 ms           • for auxiliary contacts         40 - 30           • for auxiliary contacts         40 - 40           • for auxiliary contacts         2           • for auxiliary contacts         2           • for auxiliary contacts         40 - 40           • during operating         **C         -25 +85           • during operating         **C         -25 +85	• typical		15,000,000
ART1026 / typical  • at AC-15 / at 230 V / typical  Electrical operating cycles in one hour  • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Repeat accuracy  mm  0.05  Repeat accuracy  mm  0.05  Design of the contact element  Number of NC contacts  • for auxillary contacts  • auxillary contacts  • for auxillary contacts  •	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       1         of a uxiliary contacts       positive opening         Number of NC contacts       2         of ro auxiliary contacts       2         for auxiliary contacts       2         efor auxiliary contacts       2         Resistance against vibration       0.35 mm / 5g         Resistance against vibration       30g / 11 ms         Ambient temperature       2       25 +85         during operating       °C       25 +85         during storage       °C       40 +90         Width of the sensor       mm       56         Material       of the enclosure / of the switch head       metal         Material / of the enclosure / of the switch head       metal         Design of the operating mechanism       stainless steel plunger         Actuating speed       mm/s / m/s       0.4 1.5         Minimum actuating force / in activation direction       mm       percention class IP       IPG6/IPG7         mounting position       3 x (M20			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  * auxiliary contacts	• at AC-15 / at 230 V / typical		100,000
ART1026         mm         0.05           Design of the contact element         slow-action contacts           Number of NC contacts         1           * for auxiliary contacts         1           Design of the switching function         2           Number of NC contacts         2           * for auxiliary contacts         2           Resistance against vibration         2           Resistance against vibration         30g / 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 / of the switch head         ** metal           Design of the operating mechanism         ** metal           Actuating speed         ** metal           Minimum actuating force / in activation direction         N         20           Protection class IP         ** protection class IP	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 operating • of the enclosure  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  **Silve Activation contacts  1  1  1  1  1  1  1  1  1  1  1  1  1			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
Pesign of the switching function  Design of the switching function  Number of NO contacts  • for auxiliary contacts  • for auxiliary 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  mm 56  Material • of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  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 • according to DIN 40719 extended according to IEC 204-2  **Single positive opening  positive	Design of the contact element		slow-action contacts
Design of the switching function       positive opening         Number of NO contacts	Number of NC contacts		
Number of NO contacts         • for auxiliary contacts       2         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         Width of the sensor       mm       56         Material       • of the enclosure       metal         Material / of the enclosure / of the switch head       metal         Design of the operating mechanism       stainless steel 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       3 x (M20 x 1.5)         Design of the electrical connection       screw-type terminals         Reference code       executing to DIN 40719 extended according to IEC 204-2       S	for auxiliary contacts		1
* for auxiliary contacts  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  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  **Output  Design of the operating mechanism  Server-type terminals  2  0.35 mm / 5g  30g / 11 ms  30g / 11 ms  30g / 11 ms  40g / 40 +90  40	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 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 **C **-25 +85 **-25 +85 **-25 +85 **-26 +90  **O **-25 +85 **-26 +90  **O **-40 +90  **Material / of the sensor  metal  metal  metal  metal  metal  metal  metal  **Material / of the enclosure / of the switch head  metal  **Material / of the enclosure / of the switch head  **metal  **	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  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  Actuating speed  S  S  Actuating speed  S  S  S  S  S  S  S  S  S  S  S  S  S	for auxiliary contacts		2
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  mmm/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  **C	Resistance against vibration		0.35 mm / 5g
<ul> <li>during operating</li> <li>during storage</li> <li>C -25 +85</li> <li>40 +90</li> </ul> Width of the sensor mm 56 Material <ul> <li>of the enclosure</li> <li>metal</li> </ul> Material / of the enclosure / of the switch head <ul> <li>Design of the operating mechanism</li> <li>Actuating speed</li> <li>mm/s / m/s</li> <li>0.4 1.5</li> </ul> Minimum actuating force / in activation direction <ul> <li>N</li> <li>20</li> </ul> Protection class IP <ul> <li>IP66/IP67</li> </ul> mounting position <ul> <li>any</li> </ul> Cable gland version <ul> <li>3 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 <ul> <li>S</li> </ul>	Resistance against shock		30g / 11 ms
• 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  **C	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  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  mm 56  metal  metal  metal  metal  metal  metal  metal  netal  petal  metal  petal  petal  metal  petal  petal  metal  petal  p	during operating	°C	-25 +85
Material         • of the enclosure       metal         Material / of the enclosure / of the switch head       metal         Design of the operating mechanism       stainless steel 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       3 x (M20 x 1.5)         Design of the electrical connection       screw-type terminals         Reference code       eaccording to DIN 40719 extended according to IEC 204-2       S	during storage	°C	-40 +90
◆ of the enclosure       metal         Material / of the enclosure / of the switch head       metal         Design of the operating mechanism       stainless steel 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       3 x (M20 x 1.5)         Design of the electrical connection       screw-type terminals         Reference code       eaccording to DIN 40719 extended according to IEC 204-2       S	Width of the sensor	mm	56
Material / of the enclosure / of the switch headmetalDesign of the operating mechanismstainless steel plungerActuating speedmm/s / m/s0.4 1.5Minimum actuating force / in activation directionN20Protection class IPIP66/IP67mounting positionanyCable gland version3 x (M20 x 1.5)Design of the electrical connectionscrew-type terminalsReference code • according to DIN 40719 extended according to IEC 204-2S	Material		
Design of the operating mechanism  Actuating speed  mm/s / m/s  0.4 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  stainless steel plunger  mm/s / m/s  0.4 1.5  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 1.5  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  Reference code  • according to DIN 40719 extended according to IEC 204-2 S	Material / of the enclosure / 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  Reference code  • according to DIN 40719 extended according to IEC 204-2  N  20  IP66/IP67  any  3 x (M20 x 1.5)  screw-type terminals	Design of the operating mechanism		stainless steel plunger
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  Reference code  • according to DIN 40719 extended according to IEC 204-2 S	Actuating speed	mm/s / m/s	0.4 1.5
mounting position       any         Cable gland version       3 x (M20 x 1.5)         Design of the electrical connection       screw-type terminals         Reference code <ul> <li>according to DIN 40719 extended according to IEC 204-2</li> </ul> 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  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		3 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     B	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/industrymall

Cax online generator

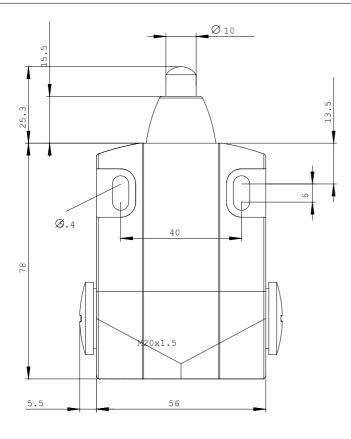
http://www.siemens.com/cax

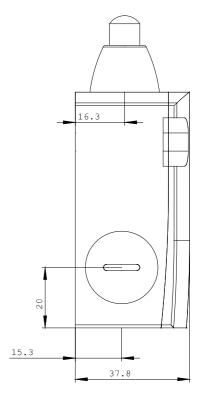
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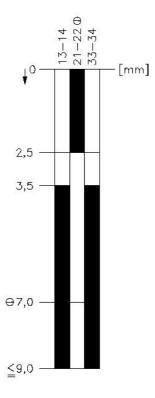
http://support.automation.siemens.com/WW/view/en/3SE5122-0PC02/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3SE5122-0PC02







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