# **SIEMENS**

Product data sheet 3SE5122-0KE01



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

3SE5122-0KA00

3SE5000-0AE01

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	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 Slow DIAZED Isse link         A         6           • of the Quick DIAZED Isse link         A         10           • Of the C characteristic circuit breaker         B         1           Mochanical operating cycles as operating time         • typical         15,000,000           • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT10026, 3RT1036 (Pypical)         10,000,000           • at AC-15 / at 230 V / typical         100,000           Electrical operating cycles in one hour         • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT10025, 3RT10026           • spring of the contact element         6,000           Number of NC contacts         • convaliding contacts           • for auxiliary contacts         2           • for auxiliary contacts         1           • for auxiliary contacts         1           • for auxiliary contacts         1           • for auxiliary contacts         2           • for auxiliary contacts         1           Resistance against shock         30g/11 ms           Ambient temperature         ***C         -25			
• 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, 3RT1026 / typical  • at AC-15/ at 230 V/ typical  Electrical operating cycles in one hour  • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026  Repeat accuracy  mm 0.05  Repeat accuracy  Design of the contact element  Number of NC contacts  • for auxiliary contacts  • for auxili	of the slow DIAZED fuse link	А	6
Mechanical operating cycles as operating time  • typical  Electrical operating cycles as operating time  • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical  • at AC-15 / at 230 V / typical  • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 /	of the quick DIAZED fuse link	Α	10
Number of NC contacts   10	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  Repeat accuracy  Design of the contact element  Number of NC contacts • for auxillary contacts  * for auxillary contacts • for auxillary contacts • for auxillary contacts • for auxillary contacts  * for au	Mechanical operating cycles as operating time		
with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical      it 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  Repeat accuracy      pesign of the contact element  Number of NC contacts      if or auxiliary contacts      if of or auxiliary contacts      if or auxiliary contac	• typical		15,000,000
at AC-15 / t yolcal  • at AC-15 / at 230 V / typical  Electrical operating cycles in one hour  • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1025, 3RT1026  Repeat accuracy  mm 0.05  Design of the contact element  Number of NC contacts  • for auxiliary contacts  1	Electrical operating cycles as operating time		
Electrical operating cycles in one hour  • with contactor 9RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026  Repeat accuracy  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  • during storage  • for auxiliary contacts   Material  • of the enclosure  Material  • of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  Material / of the enclosure / 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  S 6,000  6,0			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  Posign of the switching function  Number of NO 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 shock  Ambient temperature  • during operating     • °C -25 +85  • during storage  °C -40 +90  Width of the sensor  Material  • of the enclosure of the switch head  Design of the operating mechanism  Actuating speed  Material of the enclosure of 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   mem 0.05  slow-action contacts  2   con-activation contacts  1  1  Cable gland version  5  6,000  0.05  mm 0.05  con-activation contacts  1  1  Cable gland version  5  S  6,000  0.05  0.05  mm 0.05  con-activation contacts  1  1  Cable gland version  Screw-type terminals	• at AC-15 / at 230 V / typical		100,000
Repeat accuracy mm 0.05  Design of the contact element slow-action contacts  * for auxiliary contacts  * 1  Resistance against vibration  * Aubient temperature  * during operating  * during storage  * C	Electrical operating cycles in one hour		
Design of the contact element  Number of NC contacts  • for auxiliary contacts  Design of the switching function  Number of NO contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  1  Resistance against vibration  Resistance against shock  Ambient temperature  • during operating  • during storage  • C -25 +85  • during storage  which of the sensor  mm 56  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  S suite opening  positive opening  2  2  2  2  2  2  2  2  2  2  2  2  2			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     * for auxiliary contacts     * for auxiliary contacts     * for auxiliary contacts  Resistance against vibration  Resistance against vibration  Resistance against shock  Ambient temperature     * during operating     * C	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  1 Resistance against vibration  Resistance against shock  Ambient temperature • during operating • during storage • 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  Actuating speed  mm/s / m/s  N  10  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	for auxiliary contacts		2
* for auxiliary contacts     Resistance against vibration     O.35 mm / 5g  Resistance against shock     30g / 11 ms  Ambient temperature     * during operating     * C -25 +85     * during storage     C -40 +90  Width of the sensor     mm 56  Material     * of the enclosure  Material / of the enclosure / of the switch head  Design of the operating mechanism     metal lever, plastic roller  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  S	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  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  S  **C	Number of NO contacts		
Resistance against shock  Ambient temperature  • during operating  • during storage  © C -25 +85  • during storage  © C -40 +90  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  S	for auxiliary contacts		1
Ambient temperature  • during operating  • during storage  or condition of the sensor  width of the sensor  mm 56  Material  • of the enclosure  Material / of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  mm/s / m/s 0.4 2.5  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  S	Resistance against vibration		0.35 mm / 5g
<ul> <li>during operating</li> <li>during storage</li> <li>C -25 +85</li> <li>C -40 +90</li> </ul> Width of the sensor Material <ul> <li>of the enclosure</li> <li>metal</li> </ul> Material / of the enclosure / of the switch head <ul> <li>metal</li> <li>metal</li> </ul> Design of the operating mechanism <ul> <li>metal lever, plastic roller</li> </ul> Actuating speed <ul> <li>mm/s / m/s</li> <li>0.4 2.5</li> </ul> Minimum actuating force / in activation direction <ul> <li>N</li> <li>10</li> </ul> Protection class IP <ul> <li>mounting position</li> <li>any</li> </ul> Cable gland version <ul> <li>3 x (M20 x 1.5)</li> </ul> Design of the electrical connection 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 56  Material  • of the enclosure  Material / of the enclosure / of the switch head  Design of the operating mechanism  metal lever, plastic roller  Actuating speed  mm/s / m/s 0.4 2.5  Minimum actuating force / in activation direction  N 10  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  S	Ambient temperature		
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 metal lever, plastic roller  Actuating speed mm/s / m/s 0.4 2.5  Minimum actuating force / in activation direction N 10  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	during operating	°C	-25 +85
Material  of the enclosure  metal  Material / of the enclosure / of the switch head  Design of the operating mechanism  metal lever, plastic roller  Actuating speed  mm/s / m/s  0.4 2.5  Minimum actuating force / in activation direction  N  10  Protection class IP  IP66/IP67  mounting position  Cable gland version  3 x (M20 x 1.5)  Design of the electrical connection  Reference code  according to DIN 40719 extended according to IEC 204-2  S	during storage	°C	-40 +90
of the enclosure      Material / of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  mm/s / m/s  0.4 2.5  Minimum actuating force / in activation direction  N  10  Protection class IP  IP66/IP67  mounting position  Cable gland version  3 x (M20 x 1.5)  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2  S  metal  netal  selles  selles  selles  selles  selles  se	Width of the sensor	mm	56
Material / of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  mm/s / m/s  0.4 2.5  Minimum actuating force / in activation direction  N  10  Protection class IP  IP66/IP67  mounting position  Cable gland version  3 x (M20 x 1.5)  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2  S  metal  path coller  solution  S (M.4 2.5)  N  10  IP66/IP67  sorew-type terminals	Material		
Design of the operating mechanism  Actuating speed  mm/s / m/s  0.4 2.5  Minimum actuating force / in activation direction  N  10  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  metal lever, plastic roller  mm/s / m/s  0.4 2.5  N  10  IP66/IP67  any  3 x (M20 x 1.5)  Screw-type terminals	• of the enclosure		metal
Actuating speed mm/s / m/s 0.4 2.5  Minimum actuating force / in activation direction N 10  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	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  10  IP66/IP67  any  3 x (M20 x 1.5)  screw-type terminals	Design of the operating mechanism		metal lever, plastic roller
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  3 x (M20 x 1.5)  screw-type terminals	Actuating speed	mm/s / m/s	0.4 2.5
mounting position  Cable gland version  3 x (M20 x 1.5)  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2  S	Minimum actuating force / in activation direction	N	10
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	Design of the electrical connection		screw-type terminals
	Reference code		
• according to DIN EN 61346-2 B			

## 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

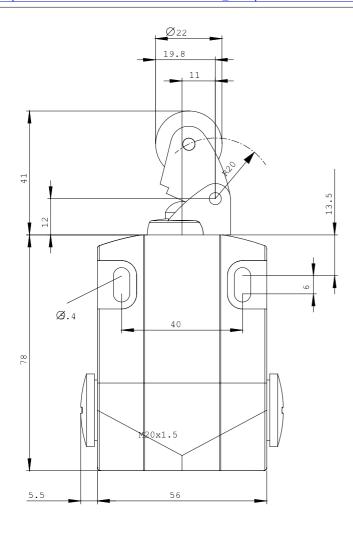
http://www.siemens.com/cax

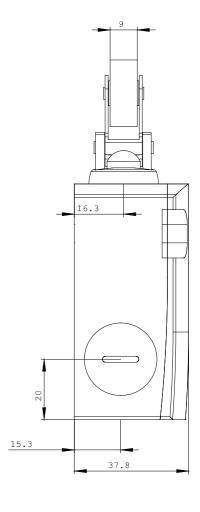
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

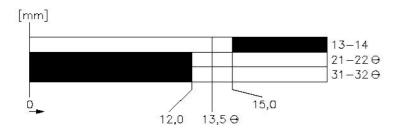
http://support.automation.siemens.com/WW/view/en/3SE5122-0KE01/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3SE5122-0KE01







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