## **SIEMENS**

Product data sheet 3SE5122-0CH50



SIRIUS POSITION SWITCH METAL ENCLOSURE 56MM WIDE DEVICE CONNECTION 3X (M20X1.5) 1NO/1NC SNAP-ACTION CONTACTS ROTARY ACTUATOR RIGHT/LEFT ADJUSTABLE,
W. LENGTH ADJUSTABLE METAL LEVER 100MM LONG AND PLASTIC ROLLER 19MM

## 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
- of the operating lever included in the scope of supply

3SE5122-0CA00

3SE5000-0AH00

3SE5000-0AA50

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	6	
• at 400 V / rated value	Α	4	
• at DC-13			
• at 24 V / rated value	Α	3	
• at 125 V / rated value	Α	0.55	

+ at 230 V / rated value         A         0.27           Continuous crent         A         0.1           - of the glock DIAZED fuse link         A         6           - of the quick DIAZED fuse link         A         10           - of the quick DIAZED fuse link         A         1           - of the Quick DIAZED fuse link         A         1           - of the Quick DIAZED fuse link         A         1           - of the Quick DIAZED fuse link         A         1           - of the Quick DIAZED fuse link         A         1           - of the Quick DIAZED fuse link         A         1           - of the Quick DIAZED fuse link         A         1           - opportunity of the Contact of Count of Cou			
Continuous current         A         6           • of the slow DIAZED fuse link         A         10           • of the Quick DIAZED fuse link         A         10           • of the C characteristic circuit breaker         A         10           • hor C characteristic circuit breaker         B         15,000,000           Electrical operating cycles as operating time         • vibic contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 / ypical         100,000           • at AC-16 / at 230 V / ypical         mm         0.00           Electrical operating cycles in one hour         • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT10	• at 230 V / rated value	Α	0.27
• of the slow DIAZED fuse link • of the quick DIAZED fuse link • or specification of the Selection of the switch head  Electrical operating cycles as operating time • visit contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT10267 / ypical  Electrical operating cycles in one hour • visit contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3RT1026 and the contact element  Number of NC contacts • for auxiliary contact	• at 400 V / rated value	Α	0.1
of the Quick DIAZED fuse link     of the C characteristic circuit breaker      Mechanical operating cycles as operating time     i typical  Electrical operating cycles as operating time     ivith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical     ivith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical     ivith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical     ivith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026     Repeat accuracy      imm 0.05  Resistance against vibration  R	Continuous current		
• of the C characteristic circuit breaker         A         1           Mechanical operating cycles as operating time • typical         15,000,000           Electrical operating cycles as operating time • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1024, 3RT1026 / typical • ak 2-15 / at 230 V / typical         10,000,000           Electrical operating cycles in one hour • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / sq. typical accuracy         mm         0.05           Repeat accuracy         mm         0.05         0.00           Design of the contact element         — 0.05         0.00           Number of NC contacts         — 1         0.00           • for auxiliary contacts         1         0.00           Resistance against vibration         — 0.05         0.00           Resistance against vibration         — 0.00         0.00           Resistance against vibration         — 0.00         0.00           Resistance against vibration	of the slow DIAZED fuse link	Α	6
Mechanical operating cycles as operating time	of the quick DIAZED fuse link	Α	10
Electrical operating cycles as operating time         10,000,000           • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 / typical         10,000,000           • at AC-15 / at 230 V / typical         100,000           Electrical operating cycles in one hour         6,000           • with contactor 3RH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026         mm         0,05           Repeat accuracy         mm         0,05           Design of the contact element         mm         0,05           Number of NC contacts         1         1           • for auxiliary contacts         1         1           • for auxiliary contacts         1         1           • for auxiliary contacts         1         30,35 mm / 5g           Resistance against vibration         5         30,27 1 ms           Resistance against shock         30,35 mm / 5g         30,000           Ambient temperature         • country         40 +90           • during operating         ° C         -25 +85           • during storage         ° C         -40 +90           Width of the enclosure / of the switch head         metal           Material / of the operating mechanism         metal           Actuating speed         mm/s / m/s         0.1 1.5	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  at AC-15 / tat 230 V / typical  Electrical operating cycles in one hour  with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026, 3R	• typical		15,000,000
SRT1026 / typical et 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 subject of the contact selement subject of NC contacts  *for auxiliary auxiliary contacts  *for auxiliary	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  Resistance against shock  Ambient temperature  • during operating • during storage  • during storage  • w c c 25 +85  • during storage  with of the sensor  mm 56  Material • of the enclosure / of the switch head  Design of the operating mechanism  Actuating speed  metal  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/m 0.25  Protection class IP  mounting position  Design of the electrical connection  Reference code  • according to DIN 40719 extended according to IEC 204-2  Saccording to DIN 40719 extended according to IEC 204-2  Minimum actuating to Contacts  Reference code  • according to DIN 40719 extended according to IEC 204-2			10,000,000
• with contactor SRH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026         6,000           Repeat accuracy         mm         0.05           Design of the contact element         snap-action contacts           • for auxiliary contacts         1           Resistance against vibration         0.35 mm / 5g           Resistance against shock         30g / 11 ms           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         metal           Design of the operating mechanism         metal           Actuating speed         mm/s / m/s         0.1 1.5           Minimum actuating force / in activation direction         N·m         0.25           Protection class IP         in petal         any           Gable gland version         any         3 x (M20 x 1.5)           Design of the electrical connection         screw-type terminals	• 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         snap-action contacts           Number of NC contacts			6,000
Number of NC contacts	Repeat accuracy	mm	0.05
Number of NO contacts       1         • for auxiliary contacts       1         Resistance against vibration       0.35 mm / 5g         Resistance against shock       30g / 11 ms         Ambient temperature       °C       -25 +85         • during operating       °C       -40 +90         • during storage       mm       56         Width of the sensor       mm       56         Material       metal         • of the enclosure       metal         Material / of the enclosure / of the switch head       metal         Design of the operating mechanism       Metal lever adjustable length, plastic roller 19 mm         Actuating speed       mm/s / m/s       0.1 1.5         Minimum actuating force / in activation direction       N·m       0.25         Protection class IP       1P66/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	Design of the contact element		snap-action contacts
Number of NO contacts       1         Resistance against vibration       0.35 mm / 5g         Resistance against shock       30g / 11 ms         Ambient temperature       C         • 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 enclosure / of the switch head       metal         Design of the operating mechanism       Metal lever adjustable length, plastic roller 19 mm         Actuating speed       mm/s / m/s       0.1 1.5         Minimum actuating force / in activation direction       N·m       0.25         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       screw-type terminals	Number of NC contacts		
• 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  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   100 30g / 11 ms  200 40g / 11 ms  200 40g / 12 ms  200 40 +90  200	• for auxiliary contacts		1
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 • of the enclosure  Material / of the enclosure / of the switch head  **Design of the operating mechanism  Actuating speed  **Immorphism of the sensor  **Metal lever adjustable length, plastic roller 19 mm  **Actuating speed  **Immorphism of the operating force / in activation direction  **Protection class IP  **mounting position  **C -25 +85  **eC -40 +90  **Metal  **me	Number of NO contacts		
Resistance against shock       30g / 11 ms         Ambient temperature       C         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 enclosure / of the switch head       metal         Design of the operating mechanism       Metal lever adjustable length, plastic roller 19 mm         Actuating speed       mm/s / m/s       0.1 1.5         Minimum actuating force / in activation direction       N·m       0.25         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       screw-type terminals	• 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  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·m 0.25  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 -25 +85  -25 +85  -25 +85  -26 +90  -25 +90  -40 +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 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>Metal lever adjustable length, plastic roller 19 mm</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·m</li> <li>0.25</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	Resistance against shock		30g / 11 ms
• 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  Actuating speed  mm/s / m/s 0.1 1.5  Minimum actuating force / in activation direction  Minimum actuating 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 lever adjustable length, plastic roller 19 mm  Material / metal  Metal lever adjustable length, plastic roller 19 mm  Material / metal  Metal lever adjustable length, plastic roller 19 mm  Material / metal  Metal lever adjustable length, plastic roller 19 mm  3 x (M20 x 1.5)  sorew-type terminals	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·m  0.25  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  56  Metal lever adjustable length, plastic roller 19 mm  Metal lever adjustable length, plastic roller 19 mm  0.25  In 1.5  Minimum actuating force / in activation direction  N·m  3.x (M20 x 1.5)  screw-type terminals	during operating	°C	-25 +85
Material       metal         • of the enclosure       metal         Material / of the enclosure / of the switch head       metal         Design of the operating mechanism       Metal lever adjustable length, plastic roller 19 mm         Actuating speed       mm/s / m/s       0.1 1.5         Minimum actuating force / in activation direction       N·m       0.25         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 Metal lever adjustable length, plastic roller 19 mm  Actuating speed mm/s / m/s 0.1 1.5  Minimum actuating force / in activation direction N⋅m 0.25  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 S	Width of the sensor	mm	56
Material / of the enclosure / of the switch headmetalDesign of the operating mechanismMetal lever adjustable length, plastic roller 19 mmActuating speedmm/s / m/s0.1 1.5Minimum actuating force / in activation directionN·m0.25Protection 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 mechanismMetal lever adjustable length, plastic roller 19 mmActuating speedmm/s / m/s0.1 1.5Minimum actuating force / in activation directionN·m0.25Protection class IPIP66/IP67mounting positionanyCable gland version3 x (M20 x 1.5)Design of the electrical connectionscrew-type terminalsReference codeaccording to DIN 40719 extended according to IEC 204-2S	• of the enclosure		metal
Actuating speed mm/s / m/s 0.1 1.5  Minimum actuating force / in activation direction N·m 0.25  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·m  0.25  IP66/IP67  any  3 x (M20 x 1.5)  screw-type terminals	Design of the operating mechanism		Metal lever adjustable length, plastic roller 19 mm
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  S	Actuating speed	mm/s / m/s	0.1 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-m	0.25
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

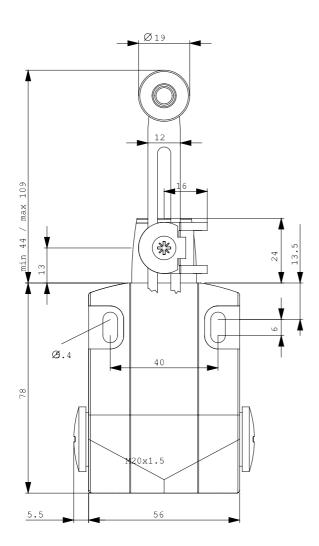
http://www.siemens.com/cax

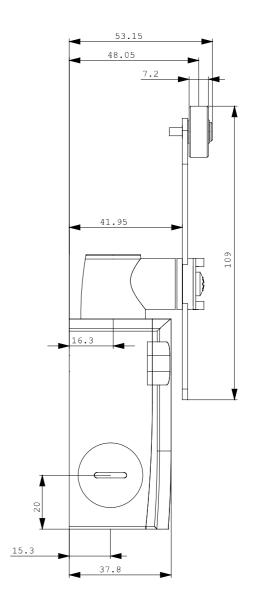
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

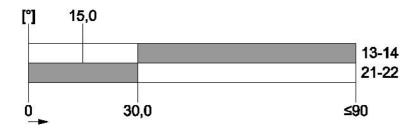
 $\underline{\text{http://support.automation.siemens.com/WW/view/en/3SE5122-0CH50/all}}$ 

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3SE5122-0CH50







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