SIEMENS

Product data sheet 3SE5212-0CE10



SIRIUS POSITION SWITCH METAL HOUSING ACC. TO EN50047, 31MM DEVICE CONNECTION 1X(M20X1.5); 1NO/1NC SNAP-ACTION CONTACTS ROLLER LEVER W. PLASTIC 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

3SE5212-0CC05

3SE5000-0AE10

| 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 | 8 |
| • at 230 V / rated value | Α | 6 |
| • at 400 V / rated value | Α | 4 |
| • at DC-13 | | |
| • at 24 V / rated value | Α | 6 |
| • at 125 V / rated value | Α | 0.55 |
| • at 230 V / rated value | Α | 0.27 |

| Continuous current - of the slow DIAZED fuse link - of the quick DIAZED fuse link - of the quick DIAZED fuse link - of the Characteristic circuit breaker - of the Character SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026, SRT1028 - SREpeat accuracy - of the Contacts - of auxiliary contacts - of during operating - of the sendosure - during operating - of the sendosure - of the sendosure - of the sendosure - of the sendosure - of the enclosure - of the enclosure - of the operating mechanism - of the enclosure - of the operating mechanism - of the operating mechanism - of the operating poecal of the switch head - Design of the operating mechanism - of the electrical connection - No 10 - Protection class IP - mounting position - Cable gland version - long and every-peterminals - or whype terminals - or whype terminals - or whype terminals | • at 400 V / rated value | Α | 0.1 |
|--|---|------------|-----------------------------|
| + of the quick DIAZED fuse link | Continuous current | | |
| • of the C characteristic circuit breaker A 2 Mechanical operating cycles as operating time • visith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical • al AC-15 / at 230 V / typical • visith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1024, 3RT1025, 3RT1026 / typical • visith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical • visith contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / 6,000 6,000 Billectrical operating cycles in one hour • visith contacts are curacy mm 0.05 Repeat accuracy mm 0.05 Design of the contact element 1 0.000 Number of NC contacts • for auxiliary contacts 1 0.000 Number of NC contacts • for auxiliary contacts 1 0.000 Resistance against vibration 0.35 mm / 5g 0.000 Resistance against vibration 0.35 mm / 5g 0.000 Resistance against vibration 0.05 mm / 5g 0.000 Resistance against vibration 0.05 mm / 5g 0.000 Resistance against vibration 0.05 mm / 5g 0.000 Resistance against vibration 0.00 mm / 6c 0.000 Resistance against vibration 0.00 mm / 6c 0.000 Width of the sen | of the slow DIAZED fuse link | Α | 6 |
| Mechanical operating cycles as operating time | of the quick DIAZED fuse link | Α | 10 |
| Position | of the C characteristic circuit breaker | Α | 2 |
| Electrical operating cycles as operating time • with contactor 3RH11, SRT1016, 3RT1017, 3RT1024, SRT1025, 3RT1026 / typical • at AC-15 / at 230 V / typical Electrical operating cycles in one hour • with contactor 3RH11, SRT1016, 3RT1017, 3RT1024, SRT1025, 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 • for auxiliary contacts Material • of the enclosure Material • of the enclosure Material of the housing / of the switch head Design of the operating mechanism Actuating speed Mulnimum actuating force / in activation direction Protection class IP mounting position Cable gland version Design of the electrical connection Posign of the electrical connection Design of the electrical connection Design of the electrical connection Posign of the electrical connection Design | Mechanical operating cycles as operating time | | |
| • with contactor SRH11, SRT1016, SRT1017, SRT1024, 3RT1025, SRT1026 / typical 10,000,000 Electrical operating cycles in one hour 6,000 • with contactor SRH11, SRT1016, SRT1017, SRT1024, 3RT1025, 3RT1026 6,000 Repeat accuracy mm 0.05 Respeat accuracy mm 0.05 Design of the contact element 1 ———————————————————————————————————— | • typical | | 15,000,000 |
| SRT1026 / typical • at AC-15 / at 230 V/ typical Electrical operating cycles in one hour • with contactor SRH11, SRT1016, SRT1017, SRT1024, SRT1025, SRT1026 Repeat accuracy mm 0.05 Resign of the contact element Number of NC contacts • for auxiliary contacts Resistance against vibration Resistance against vibration Resistance against shock Ambient temperature • during operating • currently operating • currently operating • currently operating • for dimensions for dimensions metal Material • of the enclosure Material • of the enclosure Material • of the enclosure Material of the housing / of the switch head Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 10 Protection class IP mounting position Cable gland version Design of the electrical connection For the electrical connection To the foreign of the electrical connection Actual of the electrical connection Actual of the electrical connection Actual of the electrical connection For the foreign of the electrical connection Actual of the electrical connection Actual of the electrical connection For the foreign of the electrical connection For the electrical connection For the foreign of the electrical | Electrical operating cycles as operating time | | |
| Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1024 6,000 Repeat accuracy mm 0.05 Design of the contact element mm 0.05 Number of NC contacts 1 contact contac | | | 10,000,000 |
| • 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 Design of the switching function positive opening Number of NC contacts positive opening • for auxiliary contacts 1 • for auxiliary contacts 1 • for auxiliary contacts 30,3 mm / 5g Resistance against vibration 30,3 mm / 5g Resistance against shock 30,9 / 11 ms Ambient temperature • 25 +85 • during operating °C 25 +85 • during storage °C 40 +90 Product specification EN 50047 • for dimensions mm 31 Material metal • of the enclosure metal Material plastic Design of the operating mechanism metal Actuating speed mm/s / m/s 1 1 Minimum actuating force / in activation direction N 10 <td>• at AC-15 / at 230 V / typical</td> <td></td> <td>100,000</td> | • 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 |
| • for auxiliary contacts 1 Number of NO contacts I • 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 -25 +85 • during storage °C -40 +90 Product specification EN 50047 • for dimensions EN 50047 Width of the sensor mm 31 Material ental metal • of the enclosure metal metal Material / of the housing / of the switch head plastic Design of the operating mechanism metal lever, plastic roller Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 10 Protection class IP IP66/IP67 mounting position any Cable gland version Ix (M20 x 1.5) screw-type terminals | Design of the contact element | | snap-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 |
| • 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 • for dimensions EN 50047 Width of the sensor mm 31 Material metal • of the enclosure metal Material / of the housing / of the switch head plastic Design of the operating mechanism metal lever, plastic roller Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 10 Protection class IP IP66/IP67 mounting position any Cable gland version Ix (M20 x 1.5) Design of the electrical connection screw-type terminals | Design of the switching function | | positive opening |
| Resistance against vibration Resistance against shock Ambient temperature • during operating • during storage Product specification • for dimensions 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 Resistance against vibration O.35 mm / 5g 30g / 11 ms Actuating speed PC -25 +85 -40 +90 EN 50047 EN 50047 Width of the sensor metal metal plastic metal lever, plastic roller metal lever, | Number of NO contacts | | |
| Resistance against shock Ambient temperature · during operating · during storage Product specification · for dimensions 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 Merial / or the electrical connection Minimum actuation of the electrical connection Posign of the electrical connection Minimum actuation of the electrical connection | for auxiliary contacts | | 1 |
| Ambient temperature • during operating • during storage Product specification • for dimensions Width of the sensor Material • of the enclosure Material / of the housing / of the switch head Design of the operating mechanism Minimum actuating force / in activation direction Protection class IP mounting position Cable gland version Meding storage Cable gland version Cable gland oversion Medining storage Cable gland version Cable gla | Resistance against vibration | | 0.35 mm / 5g |
| during operating during storage C -25 +85 during storage C -40 +90 Product specification for dimensions EN 50047 Width of the sensor mm 31 Material of the enclosure metal Material / of the housing / of the switch head plastic Design of the operating mechanism metal lever, plastic roller Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 10 Protection class IP mounting position any Cable gland version tx (M20 x 1.5) screw-type terminals Design of the electrical connection screw-type terminals | Resistance against shock | | 30g / 11 ms |
| during storage C -40 +90 Product specification for dimensions EN 50047 Width of the sensor mm 31 Material of the enclosure metal Material / of the housing / of the switch head plastic metal lever, plastic roller Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 10 Protection class IP IP66/IP67 mounting position any Cable gland version Design of the electrical connection screw-type terminals | Ambient temperature | | |
| Product specification • for dimensions 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 Product specification EN 50047 metal EN 50047 metal Plastic metal plastic metal lever, plastic roller Mounting positior of 1 1 IP66/IP67 any 1x (M20 x 1.5) pesign of the electrical connection | during operating | °C | -25 +85 |
| For dimensions Midth of the sensor mm 31 Material of the enclosure metal plastic Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 10 Protection class IP mounting position Cable gland version | during storage | °C | -40 +90 |
| Width of the sensor mm 31 Material of the enclosure metal metal plastic plastic 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 mm/s / m/s In (M20 x 1.5) Screw-type terminals | Product specification | | |
| 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 Material plastic metal lever, plastic roller mm/s / m/s 0.1 1 N 10 Profection class IP IP66/IP67 any Cable gland version 1x (M20 x 1.5) screw-type terminals | • for dimensions | | EN 50047 |
| 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 IP66/IP67 mounting position Cable gland version Design of the electrical connection metal plastic metal plastic netal netal lever, plastic roller netal lever, plastic rol | Width of the sensor | mm | 31 |
| Material / of the housing / of the switch headplasticDesign of the operating mechanismmetal lever, plastic rollerActuating speedmm/s / m/s0.1 1Minimum actuating force / in activation directionN10Protection class IPIP66/IP67mounting positionanyCable gland version1x (M20 x 1.5)Design of the electrical connectionscrew-type terminals | Material | | |
| Design of the operating mechanism Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 10 Protection class IP mounting position Cable gland version Design of the electrical connection metal lever, plastic roller mm/s / m/s 0.1 1 N 10 IP66/IP67 any 1x (M20 x 1.5) screw-type terminals | of the enclosure | | metal |
| Actuating speed mm/s / m/s 0.1 1 Minimum actuating force / in activation direction N 10 Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals | Material / of the housing / 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 N 10 IP66/IP67 any 1x (M20 x 1.5) screw-type terminals | Design of the operating mechanism | | metal lever, plastic roller |
| Protection class IP IP66/IP67 mounting position any Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals | Actuating speed | mm/s / m/s | 0.1 1 |
| mounting position Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals | Minimum actuating force / in activation direction | N | 10 |
| Cable gland version 1x (M20 x 1.5) Design of the electrical connection screw-type terminals | Protection class IP | | IP66/IP67 |
| Design of the electrical connection screw-type terminals | mounting position | | any |
| | Cable gland version | | 1x (M20 x 1.5) |
| Item designation | Design of the electrical connection | | screw-type terminals |
| | Item designation | | |

- according to DIN 40719 extendable after IEC 204-2
- according to DIN EN 61346-2

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Certificates/approvals:

General Product Approval

Declaration of Conformity

Test Certificates











Special Test Certificate

other

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:

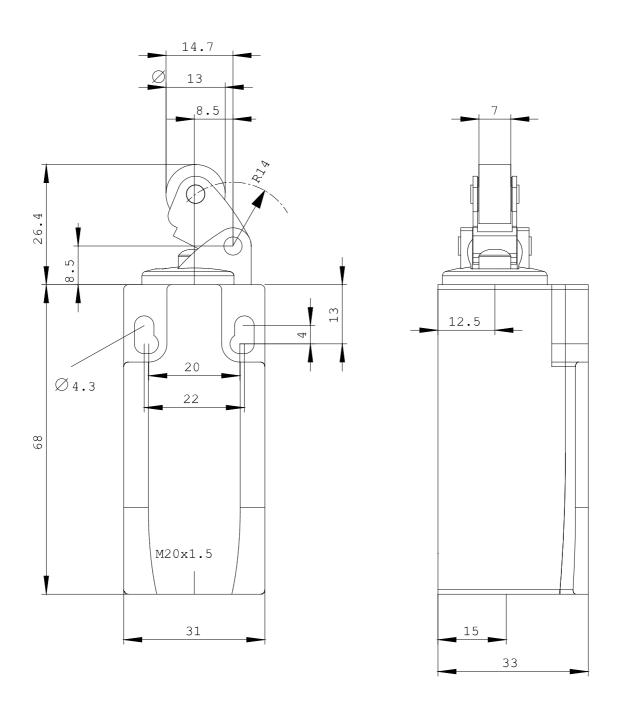
http://www.siemens.com/cax

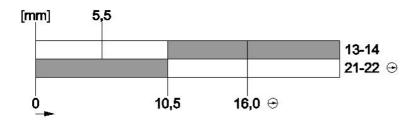
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

http://support.automation.siemens.com/WW/view/en/3SE5212-0CE10/all

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

 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5212-0CE10}$





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