



SIRIUS POSITION SWITCH; METAL ENCLOSURE TO EN50047, 31MM 1NO/1NC SLOW-ACTION CONTACTS W. M12 CONNECTOR,5-POLE PIN ASSIGNMENT: PIN1=21, PIN2 =22, PIN3=13,PIN4=14,PIN5=PE MAX.250V AND 4A, WITH PLUNGER

| | | |
|--|--|---|
| Product designation | | standard position switch |
| Manufacturer article number | | |
| <ul style="list-style-type: none"> • of the supplied basic switch • of the supplied switching contacts | | 3SE5214-0BC05-1AC5 3SE5000-0BA00 |

General technical data:

| | | |
|--|----|--------------|
| Product function | | |
| <ul style="list-style-type: none"> • positive opening | | Yes |
| Insulation voltage | | |
| <ul style="list-style-type: none"> • Rated value | V | 125 |
| Degree of pollution | | class 3 |
| Shock resistance | | 30g / 11 ms |
| Vibration resistance | | 0.35 mm / 5g |
| Surge voltage resistance Rated value | kV | 1.5 |
| Mechanical service life (switching cycles) | | |
| <ul style="list-style-type: none"> • typical | | 15 000 000 |
| Electrical endurance (switching cycles) | | |
| <ul style="list-style-type: none"> • at AC-15 at 230 V typical | | 100 000 |
| Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 | | 6 000 |
| Thermal current | A | 4 |
| Material of the enclosure of the switch head | | plastic |
| Protection class IP | | IP66/IP67 |
| Equipment marking | | |
| <ul style="list-style-type: none"> • acc. to DIN EN 61346-2 | | B |

| | | |
|---|----|------------|
| • acc. to DIN EN 81346-2 | | B |
| Active principle | | mechanical |
| Repeat accuracy | mm | 0.05 |
| Explosion protection category for dust | | none |
| Explosion protection category for gas | | none |
| Minimum actuating force in activation direction | N | 20 |
| Operating current at AC-15 | | |
| • at 230 V Rated value | A | 3 |
| Operating current | | |
| • at DC-13 at 125 V Rated value | A | 0.55 |
| Operating current | | |
| • at DC-13 | | |
| — at 24 V Rated value | A | 3 |

| | | |
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| Enclosure: | | |
| Design of the housing | | block, narrow |
| Material of the enclosure | | metal |
| Coating of the enclosure | | cathodic immersion coating |
| Design of the housing acc. to standard | | Yes |

| | | |
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| Drive Head: | | |
| Design of the operating mechanism | | teflon plunger |
| Standard-compliant actuator head | | EN 50047, design B |
| Shape of the switch head | | rounded |
| Design of the switching function | | positive opening |

| | | |
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| Connections/ Terminals: | | |
| Type of electrical connection | | M12 plug, fixed |

| | | |
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| Mechanical data: | | |
| Cable entry type | | 1x (M20 x 1.5) |
| Design of plug-in connection | | M12 connector, 5-pole: pin 1= terminal 21, pin 2= 22, pin 3= 13, pin 4= 14, pin 5= PE |

| | | |
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| Communication/ Protocol: | | |
| Design of the interface | | without |

| | | |
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| Ambient conditions: | | |
| Ambient temperature | | |
| • during operation | °C | -25 ... +85 |
| • during storage | °C | -40 ... +90 |

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| Installation/ mounting/ dimensions: | | |
| mounting position | | any |
| Mounting type | | screw fixing |

| | | |
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| Certificates/ approvals: | | |
|---------------------------------|--|--|



[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/industrymall>

Cax online generator

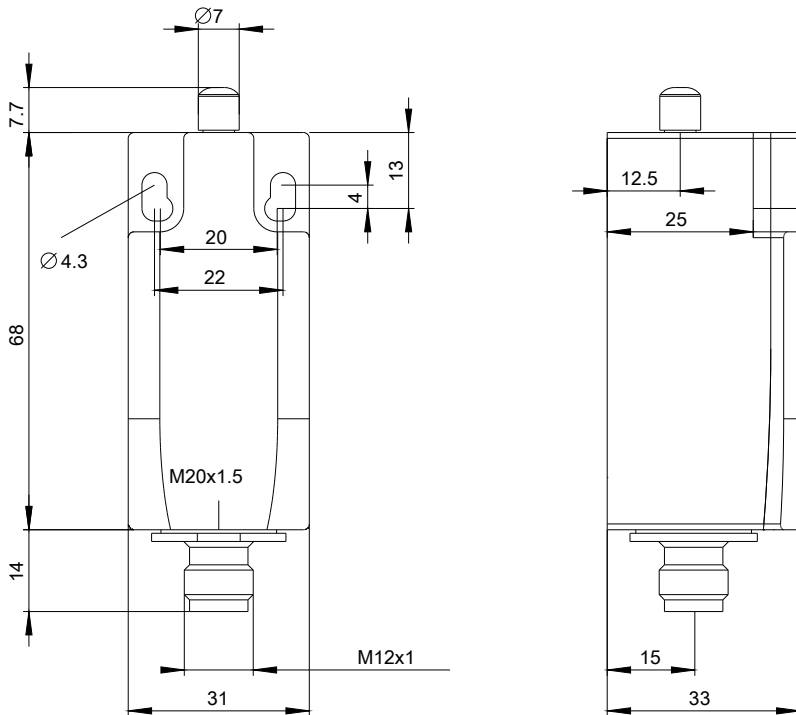
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE52140BC051AC5>

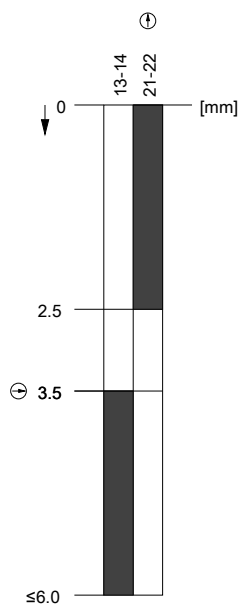
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SE52140BC051AC5/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE52140BC051AC5&lang=en





last modified:

09.03.2015