



SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING LOCK. FORCE 2600N,5 APPR. DIR. METAL HOUSING,3X(M20X1.5) SPRING-LOCKED, AUXILIARY RELEASE ON FRONT MAGNET VOLTAGE 230V AC, MONITOR. OF ACTUATOR 2NC/1NO, MONITOR. OF MAGNET 2NC/1NO

Figure similar

|   |  |   |
|---|--|---|
| Product designation   |  | position switch with tumbler  |
| Design of the product   |  | with separate actuator and with tumbler   |
| <b>Manufacturer article number</b>  |  |   |
| <ul style="list-style-type: none"> <li>of the optional actuators</li> </ul> |  | 3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with transverse mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy duty actuator |

| General technical data:  |    |              |
|--|----|--------------|
| <b>Product function</b>  |    |              |
| <ul style="list-style-type: none"> <li>positive opening</li> </ul>   |    | Yes          |
| <b>Insulation voltage</b>  |    |              |
| <ul style="list-style-type: none"> <li>Rated value</li> </ul>  | V  | 250          |
| <b>Degree of pollution</b>   |    | class 3      |
| <b>Shock resistance</b>  |    | 30g / 11 ms  |
| <b>Vibration resistance</b>  |    | 0.35 mm / 5g |
| <b>Surge voltage resistance Rated value</b>  | kV | 4            |
| <b>Mechanical service life (switching cycles)</b>  |    |              |
| <ul style="list-style-type: none"> <li>typical</li> </ul>  |    | 1 000 000    |
| <b>Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b> |    | 1 000 000    |
| <b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>         |    | 6 000        |
| <b>Thermal current</b>   | A  | 6            |

|  |    |           |
|--|----|-----------|
| <b>Material of the enclosure of the switch head</b>  |    | metal     |
| <b>Protection class IP</b>   |    | IP66/IP67 |
| <b>Equipment marking</b>   |    | B         |
| <ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN EN 81346-2</li> </ul> |    | B         |
| <b>Locking force</b>   | N  | 2 600     |
| <ul style="list-style-type: none"> <li>• acc. to BG-GS-ET 19</li> </ul>                                      | N  | 2 000     |
| <b>Repeat accuracy</b>   | mm | 0.05      |
| Explosion protection category for dust   |    | none      |
| Explosion protection category for gas  |    | none      |
| Minimum actuating force in activation direction  | N  | 30        |
| <b>Operating current at AC-15</b>  |    |           |
| <ul style="list-style-type: none"> <li>• at 230 V Rated value</li> </ul>                                     | A  | 1.5       |
| <b>Operating current</b>   |    |           |
| <ul style="list-style-type: none"> <li>• at DC-13 at 125 V Rated value</li> </ul>                            | A  | 0.55      |
| <b>Operating current</b>   |    |           |
| <ul style="list-style-type: none"> <li>• at DC-13</li> <li>— at 24 V Rated value</li> </ul>                  | A  | 3         |

#### Enclosure:

|   |  |                            |
|---|--|----------------------------|
| <b>Design of the housing</b>                  |  | special design             |
| <b>Material of the enclosure</b>              |  | metal                      |
| <b>Coating of the enclosure</b>               |  | cathodic immersion coating |
| <b>Design of the housing acc. to standard</b> |  | No                         |

#### Drive Head:

|  |  |                          |
|--|--|--------------------------|
| <b>Design of the operating mechanism</b> |  | 5 directions of approach |
| <b>Design of the switching function</b>  |  | positive opening         |
| <b>Number of actuation directions</b>    |  | 5                        |

#### Connections/ Terminals:

|   |  |   |
|---|--|---|
| <b>Type of electrical connection</b>  |  | screw-type terminals  |
| <b>Type of connectable conductor cross-section</b>  |  |   |
| <ul style="list-style-type: none"> <li>• solid</li> </ul>                                       |  | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| <ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>    |  | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| <ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul> |  | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| <ul style="list-style-type: none"> <li>• for AWG conductors</li> </ul>                          |  |   |
| <ul style="list-style-type: none"> <li>— solid</li> </ul>                                       |  | 1x (20 ... 16), 2x (20 ... 18)  |
| <ul style="list-style-type: none"> <li>— stranded</li> </ul>                                    |  | 1x (20 ... 16), 2x (20 ... 18)  |

#### Mechanical data:

|                                 |  |  |
|---------------------------------|--|--|
| <b>Cable entry type</b>         |  | 3 x (M20 x 1.5)  |
| <b>Locking mechanism design</b> |  | spring-actuated lock (closed-circuit principle) with auxiliary release |

#### Communication/ Protocol:

|                         |  |         |
|-------------------------|--|---------|
| Design of the interface |  | without |
|-------------------------|--|---------|

#### Ambient conditions:

|                            |    |             |
|----------------------------|----|-------------|
| <b>Ambient temperature</b> |    |             |
| • during operation         | °C | -25 ... +60 |
| • during storage           | °C | -40 ... +80 |





#### Supply voltage:

|                                   |   |     |
|-----------------------------------|---|-----|
| Supply voltage of the magnet coil | V | 230 |
|-----------------------------------|---|-----|

#### Installation/ mounting/ dimensions:

|                   |  |              |
|-------------------|--|--------------|
| mounting position |  | any          |
| Mounting type     |  | screw fixing |

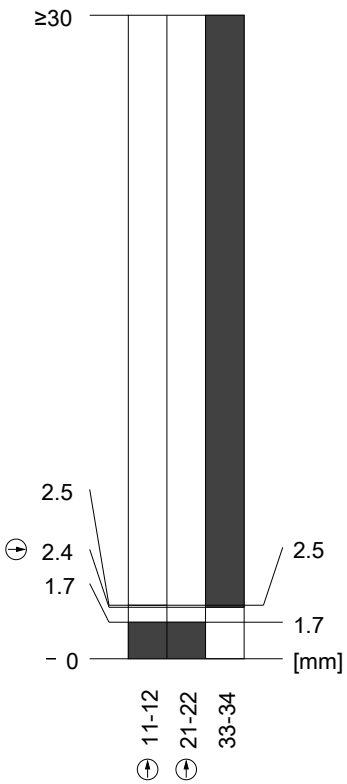
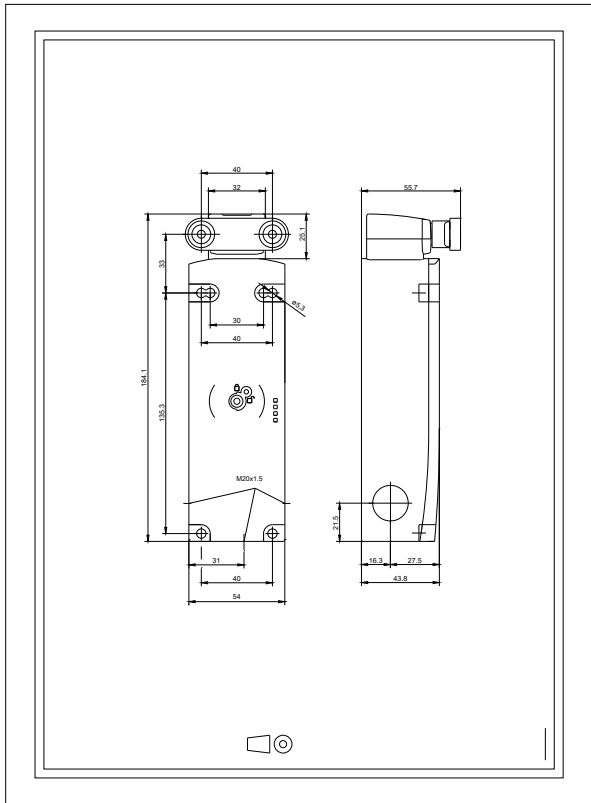
#### Certificates/ approvals:

| General Product Approval   | Functional Safety/Safety of Machinery  | Declaration of Conformity   | Test Certificates   |
|--|--|---|---|
| <br>CCC | <br>CSA |  | <br>EG-Konf. |
|  |  | <a href="#">Type Examination Certificate</a>                                      | <a href="#">Special Test Certificate</a>  |

|                              |
|------------------------------|
| other                        |
| <a href="#">Confirmation</a> |

#### 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=3SE53120SD13>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<http://support.automation.siemens.com/WW/view/en/3SE53120SD13/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=3SE53120SD13&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE53120SD13&lang=en)



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