



SAFETY POSITION SWITCHES WITH SOLENOID INTERLOCKING LOCK. FORCE 2600N,5 APPR. DIR. METAL HOUSING,3X(M20X1.5) SPRING-LOCKED, EMERGENCY RELEASE ON REAR A. AUXILIARY RELEASE ON FRONT, MAGNET VOLTAGE 24V DC, MONITOR. OF ACTUATOR 2NC/1NO, MONITOR. OF MAGNET 2NC/1NO LEDS YELLOW/GREEN

### General technical details:

|                                                                                                                                         |             |               |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|
| <b>Explosion protection category for dust</b>                                                                                           |             | none          |
| <b>Supply voltage</b><br>• of the magnet coil                                                                                           | V           | 24            |
| <b>Type of voltage / of the supply voltage</b><br>• of the optional LED display                                                         |             | DC            |
| <b>Relative ON period</b><br>• of the magnet coil                                                                                       | %           | 100           |
| <b>Recorded real power</b><br>• of the magnet coil                                                                                      | W           | 3.5           |
| <b>Insulation voltage</b><br>• rated value                                                                                              | V           | 250           |
| <b>Degree of pollution</b>                                                                                                              |             | class 3       |
| <b>Thermal current</b>                                                                                                                  | A           | 6             |
| <b>Operating current</b><br>• at AC-15<br>• at 24 V / rated value<br>• at 125 V / rated value<br>• at 230 V / rated value<br>• at DC-13 | A<br>A<br>A | 6<br>3<br>1.5 |

|                                                                               |     |                          |
|-------------------------------------------------------------------------------|-----|--------------------------|
| • at 24 V / rated value                                                       | A   | 3                        |
| • at 125 V / rated value                                                      | A   | 0.55                     |
| • at 230 V / rated value                                                      | A   | 0.27                     |
| <b>Continuous current</b>                                                     |     |                          |
| • of the slow DIAZED fuse link                                                | A   | 6                        |
| • of the quick DIAZED fuse link                                               | A   | 10                       |
| • of the C characteristic circuit breaker                                     | A   | 0.5                      |
| <b>Mechanical operating cycles as operating time / typical</b>                |     | 1,000,000                |
| <b>Electrical operating cycles as operating time</b>                          |     |                          |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical |     | 1,000,000                |
| <b>Electrical operating cycles in one hour</b>                                |     |                          |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026           |     | 6,000                    |
| <b>Repeat accuracy</b>                                                        | mm  | 0.05                     |
| <b>Design of the contact element</b>                                          |     | slow-action contacts     |
| <b>Number of NC contacts</b>                                                  |     |                          |
| • for the position surveillance of the locking element                        |     | 2                        |
| <b>Number of NC contacts</b>                                                  |     |                          |
| • for the position surveillance of the activation element                     |     | 2                        |
| <b>Number of NO contacts</b>                                                  |     |                          |
| • for the position surveillance of the locking element                        |     | 1                        |
| <b>Number of NO contacts</b>                                                  |     |                          |
| • for the position surveillance of the activation element                     |     | 1                        |
| <b>Design of the switching function</b>                                       |     | positive opening         |
| <b>Resistance against vibration</b>                                           |     | 0.35 mm / 5g             |
| <b>Resistance against shock</b>                                               |     | 30g / 11 ms              |
| <b>Ambient temperature</b>                                                    |     |                          |
| • during operating                                                            | °C  | -25 ... +60              |
| • during storage                                                              | °C  | -40 ... +80              |
| <b>Width of the sensor</b>                                                    | mm  | 54                       |
| <b>Material</b>                                                               |     |                          |
| • of the enclosure                                                            |     | metal                    |
| <b>Material / of the housing / of the switch head</b>                         |     | metal                    |
| <b>Design of the operating mechanism</b>                                      |     | 5 directions of approach |
| <b>Actuating speed</b>                                                        | m/s | 0.4 ... 1.5              |
| <b>Minimum actuating force</b>                                                | N   | 30                       |
| <b>Protection class IP</b>                                                    |     | IP65/IP67                |
| <b>mounting position</b>                                                      |     | any                      |
| <b>Cable gland version</b>                                                    |     | 3 x (M20 x 1.5)          |

|                                                                                                                                                                                             |  |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|
| <b>Design of the electrical connection</b>                                                                                                                                                  |  | screw-type terminals |
| <b>Item designation</b> <ul style="list-style-type: none"> <li>• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> <li>• according to DIN EN 61346-2</li> </ul> |  | S<br><br>B           |

#### Certificates/approvals:

| General Product Approval                                                          |                                                                                   |                                                                                   | Functional Safety / Safety of Machinery                                           |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| CCC                                                                               | CSA                                                                               | GOST                                                                              | UL                                                                                | VDE                                                                                 | VDE                                                                                 |
| <b>Declaration of Conformity</b>                                                  | <b>Test Certificates</b>                                                          | <b>other</b>                                                                      |                                                                                   |                                                                                     |                                                                                     |
|  | <a href="#">Special Test Certificate</a>                                          | <a href="#">Confirmation</a>                                                      |                                                                                   |                                                                                     |                                                                                     |
| EG-Konf.                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |

#### 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:

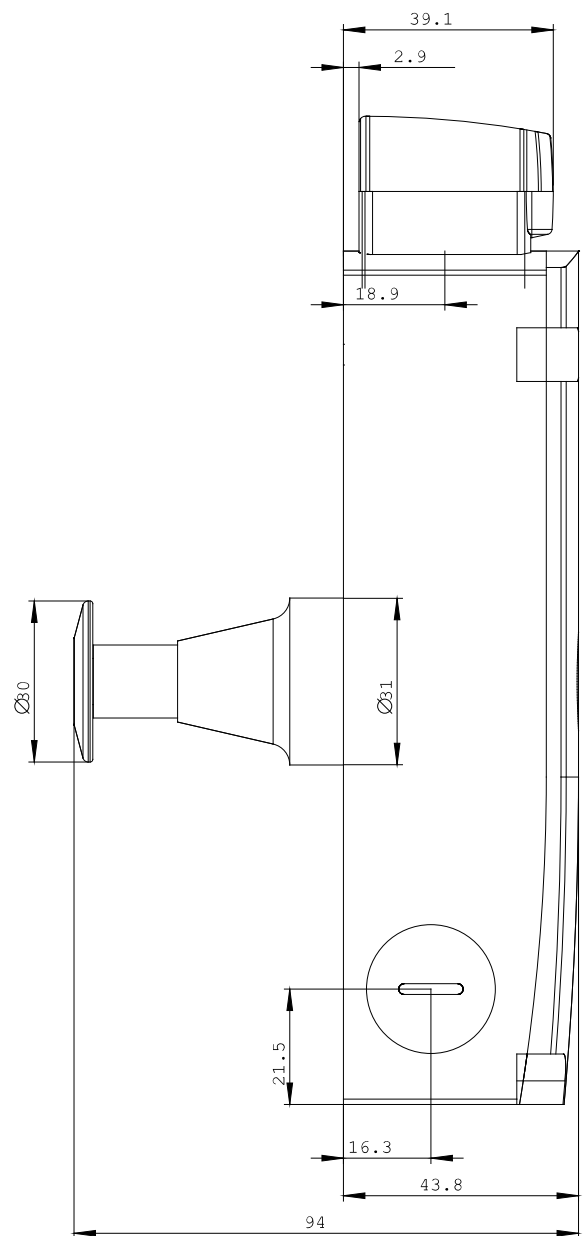
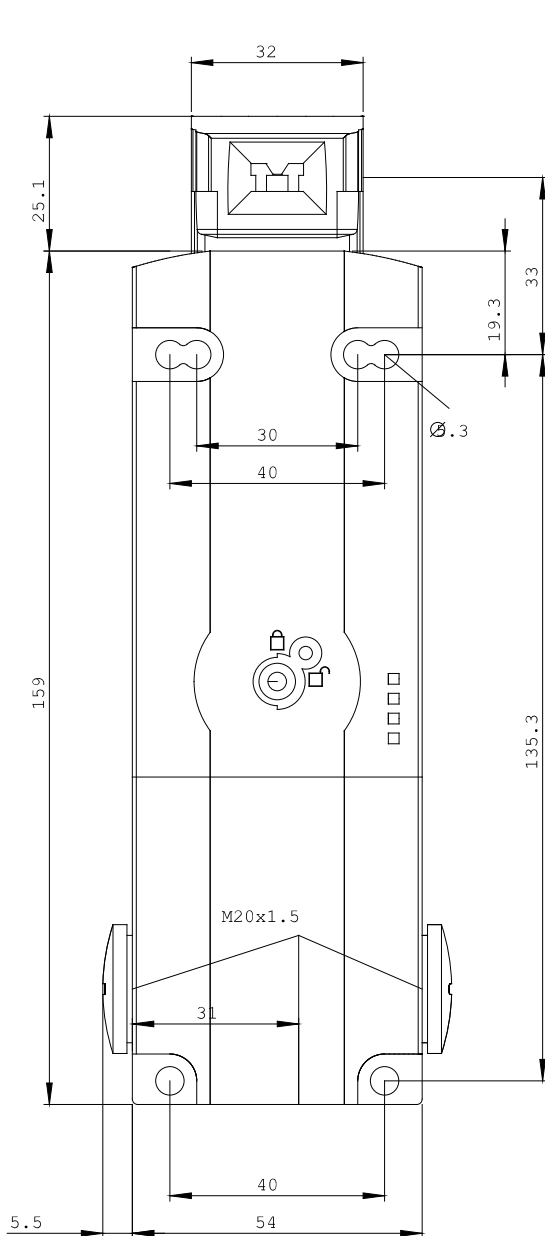
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5312-1SJ11/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5312-1SJ11](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5312-1SJ11)





last change:

Jan 21, 2013