



SAFETY POS. SWITCH W. SEPARATE ACTUATOR,  
METAL HOUSING, 40MM,  
1X(M20X1.5) SLOW-ACTION CONTACTS 2NC/1NO FOR  
EX ZONE 22,  
ATEX

### General technical details:

|                                               |   |                                        |
|-----------------------------------------------|---|----------------------------------------|
| <b>product designation</b>                    |   | position switch with separate actuator |
| <b>Product feature</b>                        |   | ATEX Zone 21/22                        |
| <b>Explosion protection category for dust</b> |   | none                                   |
| <b>Insulation voltage</b>                     |   |                                        |
| • rated value                                 | V | 400                                    |
| <b>Degree of pollution</b>                    |   | class 3                                |
| <b>Thermal current</b>                        | A | 6                                      |
| <b>Operating current</b>                      |   |                                        |
| • at AC-15                                    |   |                                        |
| • at 24 V / rated value                       | A | 6                                      |
| • at 125 V / rated value                      | A | 6                                      |
| • at 230 V / rated value                      | A | 1.5                                    |
| • at DC-13                                    |   |                                        |
| • 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          | 1                        |
| <b>Mechanical operating cycles as operating time</b>                          |            |                          |
| • typical                                                                     |            | 1,000,000                |
| <b>Electrical operating cycles as operating time</b>                          |            |                          |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical |            | 1,000,000                |
| • at AC-15 / at 230 V / typical                                               |            | 100,000                  |
| <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 auxiliary contacts                                                      |            | 2                        |
| <b>Design of the switching function</b>                                       |            | positive opening         |
| <b>Number of NO contacts</b>                                                  |            |                          |
| • for auxiliary contacts                                                      |            | 1                        |
| <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 ... +85              |
| • during storage                                                              | °C         | -40 ... +90              |
| <b>Product specification</b>                                                  |            |                          |
| • for dimensions                                                              |            | EN 50041                 |
| <b>Width of the sensor</b>                                                    | mm         | 40                       |
| <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>                                                        | mm/s / m/s | 0.4 ... 0.5              |
| <b>Minimum actuating force / in activation direction</b>                      | N          | 20                       |
| <b>Protection class IP</b>                                                    |            | IP66/IP67                |
| <b>mounting position</b>                                                      |            | any                      |
| <b>Cable gland version</b>                                                    |            | 1x (M20 x 1.5)           |
| <b>Design of the electrical connection</b>                                    |            | screw-type terminals     |
| <b>Manufacturer article number</b>                                            |            |                          |

- of the optional actuators

3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical mounting, 3SE5000-0AV03 actuator with horizontal mounting, 3SE5000-0AV04 radius actuator left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator right, 3SE5000-0AV07 heavy-duty actuator, 3SE5000-0AW11 plastic actuator, 3SE5000-0AW21 stainless steel actuator

#### Item designation

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

S  
B

#### Certificates/approvals:

##### General Product Approval

For use in  
hazardous  
locations

Functional Safety /  
Safety of  
Machinery



CCC



GOST



UL



VDE



ATEX



VDE

##### Declaration of Conformity

other

[Confirmation](#)



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

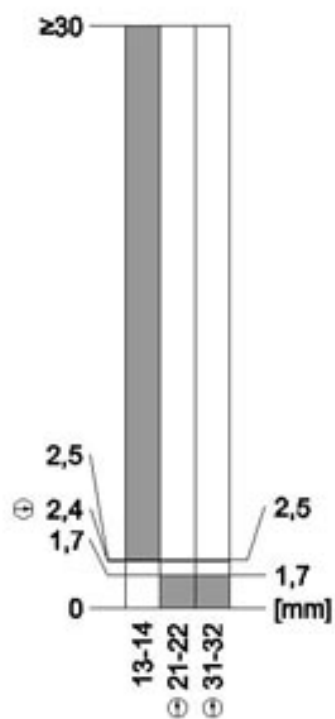
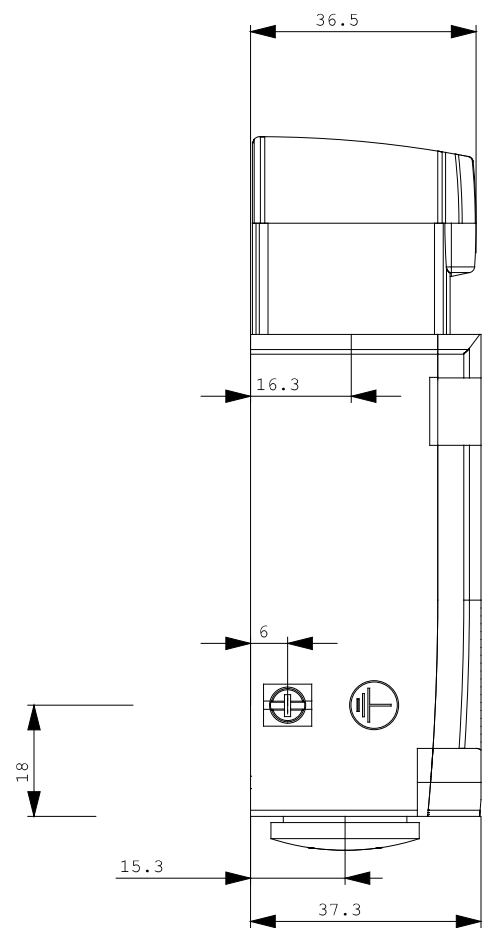
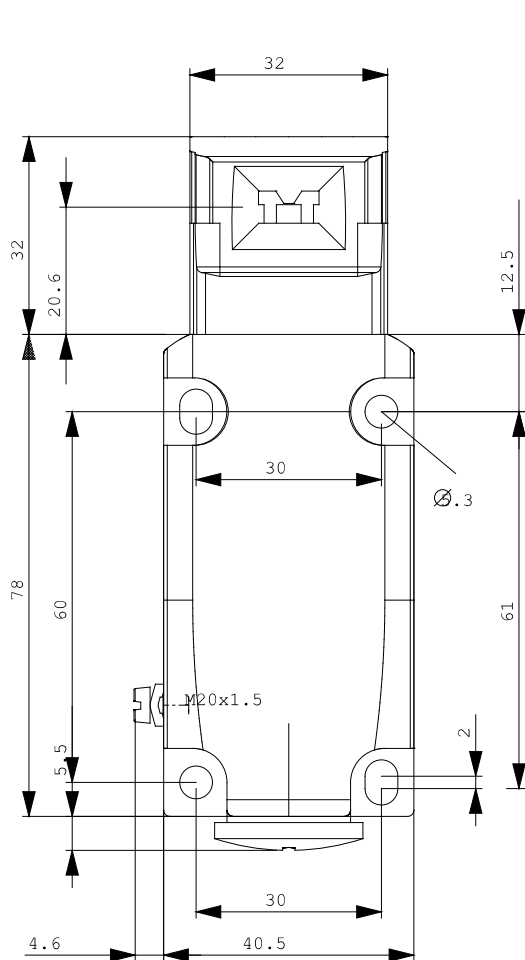
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5112-0QV10-1DA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5112-0QV10-1DA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0QV10-1DA0)



last change:

Feb 18, 2013