



ACTUATOR HEAD FOR POSITION SWITCH 3SE51  
 ROUNDED PLUNGER WITH 3MM OVERTRAVEL,  
 STAINLESS STEEL PLUNGER FUNCTIONAL AT -40  
 DEGREES

### General technical details:

|                                                                                            |    |                                                      |
|--------------------------------------------------------------------------------------------|----|------------------------------------------------------|
| <b>product designation</b>                                                                 |    | actuator head for position switch                    |
| <b>Product feature</b>                                                                     |    | expanded temperature range, e.g. railway application |
| <b>Explosion protection category for dust</b>                                              |    | none                                                 |
| <b>Mechanical operating cycles as operating time</b><br>• typical                          |    | 15,000,000                                           |
| <b>Resistance against vibration</b>                                                        |    | 0.35 mm / 5g                                         |
| <b>Resistance against vibration / for railway applications / according to DIN EN 61373</b> |    | Category 1, Class B                                  |
| <b>Resistance against shock</b>                                                            |    | 30g / 11 ms                                          |
| <b>Resistance against shock / for railway applications / according to DIN EN 61373</b>     |    | Category 1, Class B                                  |
| <b>Ambient temperature</b><br>• during operating<br>• during storage                       | °C | -40 ... +85<br>-40 ... +90                           |
| <b>Material / of the enclosure</b><br>• of the switch head                                 |    | metal                                                |
| <b>Design of the operating mechanism</b>                                                   |    | stainless steel plunger                              |
| <b>Minimum actuating force / in activation direction</b>                                   | N  | 20                                                   |
| <b>mounting position</b>                                                                   |    | any                                                  |
| <b>Fire load</b>                                                                           | kJ | 7                                                    |

**Item designation**

- according to DIN 40719 extendable after IEC 204-2 / according to IEC 750
- according to DIN EN 61346-2

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**Certificates/approvals:****General Product Approval****Functional Safety /  
Safety of  
Machinery**

CCC



CSA



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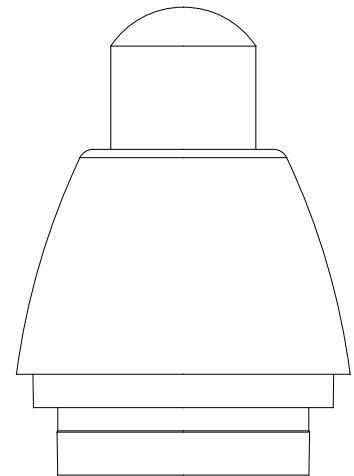
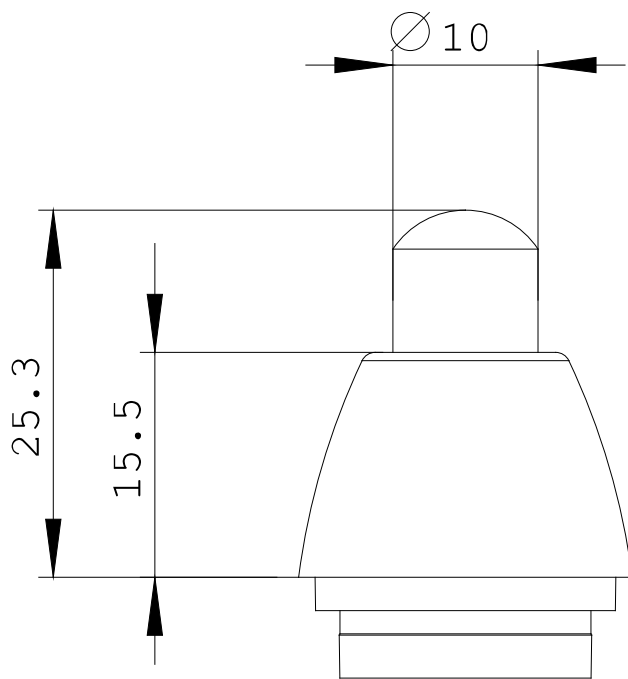


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**Declaration of  
Conformity****Test Certificates****other**

EG-Konf.

[Special Test  
Certificate](#)[Confirmation](#)[Vibration Test  
Certificates](#)**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/3SE5000-0AC02-1AJ0/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5000-0AC02-1AJ0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5000-0AC02-1AJ0)



last change:

Jan 23, 2013