



safety position switch with tumbler, locking force 2600 N, 5 directions of approaches, metal enclosure, M12 plug, ASIsafe integrated, channel 1=actuator 1 NC, channel 2=magnet 1 NC, spring-locked, escape release at the rear and auxiliary release on front with lock. magnet voltage 24 V AC/DC; no additional 24 V supply required. monitoring actuator 2 NC/1 NO, monitoring magnet 2 NC/1 NO, the matching separate actuator 3SE5000-0AV0../-0AW5. must be ordered separately.

|                                                         |                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                      | SIRIUS                                                                                                                                                                                                                                                                        |
| product designation                                     | Mechanical safety switches                                                                                                                                                                                                                                                    |
| design of the product                                   | with separate actuator and with tumbler                                                                                                                                                                                                                                       |
| product type designation                                | 3SF13                                                                                                                                                                                                                                                                         |
| manufacturer's article number of the optional actuators | 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 |
| suitability for use safety switch                       | Yes                                                                                                                                                                                                                                                                           |
| <b>General technical data</b>                           |                                                                                                                                                                                                                                                                               |
| product function positive opening                       | Yes                                                                                                                                                                                                                                                                           |
| insulation voltage rated value                          | 30 V                                                                                                                                                                                                                                                                          |
| degree of pollution                                     | class 3                                                                                                                                                                                                                                                                       |
| surge voltage resistance rated value                    | 0.8 kV                                                                                                                                                                                                                                                                        |
| protection class IP                                     | IP65/IP67                                                                                                                                                                                                                                                                     |
| shock resistance                                        | 30g / 11 ms                                                                                                                                                                                                                                                                   |
| • according to IEC 60068-2-27                           | 30g / 11 ms                                                                                                                                                                                                                                                                   |
| mechanical service life (operating cycles) typical      | 1 000 000                                                                                                                                                                                                                                                                     |
| material of the enclosure of the switch head            | metal                                                                                                                                                                                                                                                                         |
| reference code according to IEC 81346-2                 | B                                                                                                                                                                                                                                                                             |
| repeat accuracy                                         | 0.1 mm                                                                                                                                                                                                                                                                        |
| Substance Prohibitance (Date)                           | 03/01/2017                                                                                                                                                                                                                                                                    |
| SVHC substance name                                     | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8<br>Diboron trioxide - 1303-86-2                                                                                                                                                                                    |
| minimum actuating force in directions of actuation      | 30 N                                                                                                                                                                                                                                                                          |
| <b>Ambient conditions</b>                               |                                                                                                                                                                                                                                                                               |
| ambient temperature                                     |                                                                                                                                                                                                                                                                               |
| • during operation                                      | -25 ... +60 °C                                                                                                                                                                                                                                                                |
| • during storage                                        | -40 ... +80 °C                                                                                                                                                                                                                                                                |
| <b>Enclosure</b>                                        |                                                                                                                                                                                                                                                                               |
| design of the housing                                   | special design                                                                                                                                                                                                                                                                |
| material of the enclosure                               | metal                                                                                                                                                                                                                                                                         |
| coating of the enclosure                                | cathodic dip coating                                                                                                                                                                                                                                                          |
| design of the housing according to standard             | No                                                                                                                                                                                                                                                                            |
| locking mechanism design                                | Spring-locked (quiescent current principle) with escape release on the back and auxiliary release with lock on the front                                                                                                                                                      |
| <b>Drive Head</b>                                       |                                                                                                                                                                                                                                                                               |
| design of the actuating element                         | 5 directions of approach                                                                                                                                                                                                                                                      |
| design of the switching function                        | positive opening                                                                                                                                                                                                                                                              |
| number of directions of actuation                       | 5                                                                                                                                                                                                                                                                             |
| design of plug-in connection                            | M12 plug, 4-pole: Pin 1 = ASI+ , Pin 2 = not assigned, Pin 3= ASI-, Pin 4 = not                                                                                                                                                                                               |

|                                                                              |                   |
|------------------------------------------------------------------------------|-------------------|
|                                                                              | assigned          |
| <b>Installation/ mounting/ dimensions</b>                                    |                   |
| mounting position                                                            | any               |
| fastening method                                                             | screw fixing      |
| <b>Connections/ Terminals</b>                                                |                   |
| type of electrical connection                                                | M12 plug, fixed   |
| <b>Supply voltage</b>                                                        |                   |
| supply voltage of magnet coil                                                | 24 V              |
| <b>Communication/ Protocol</b>                                               |                   |
| design of the interface                                                      | M12 plug, fixed   |
| <b>Safety related data</b>                                                   |                   |
| proportion of dangerous failures with high demand rate according to SN 31920 | 20 %              |
| B10 value with high demand rate according to SN 31920                        | 1 000 000         |
| <b>Approvals Certificates</b>                                                |                   |
| General Product Approval                                                     | Test Certificates |

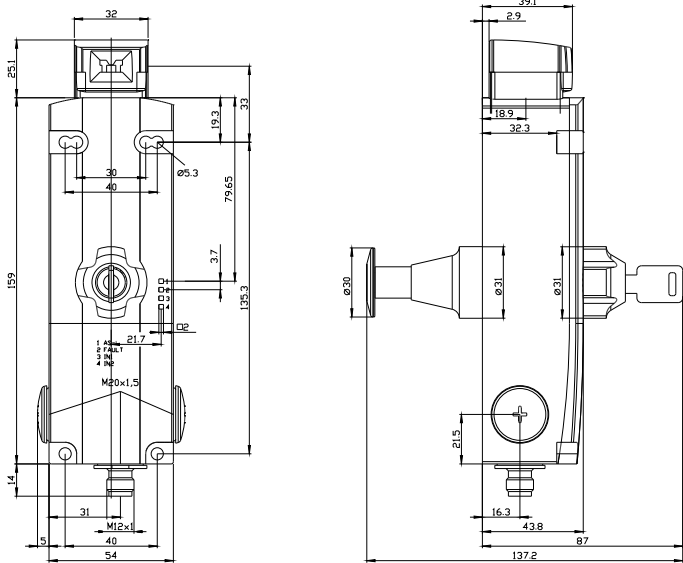


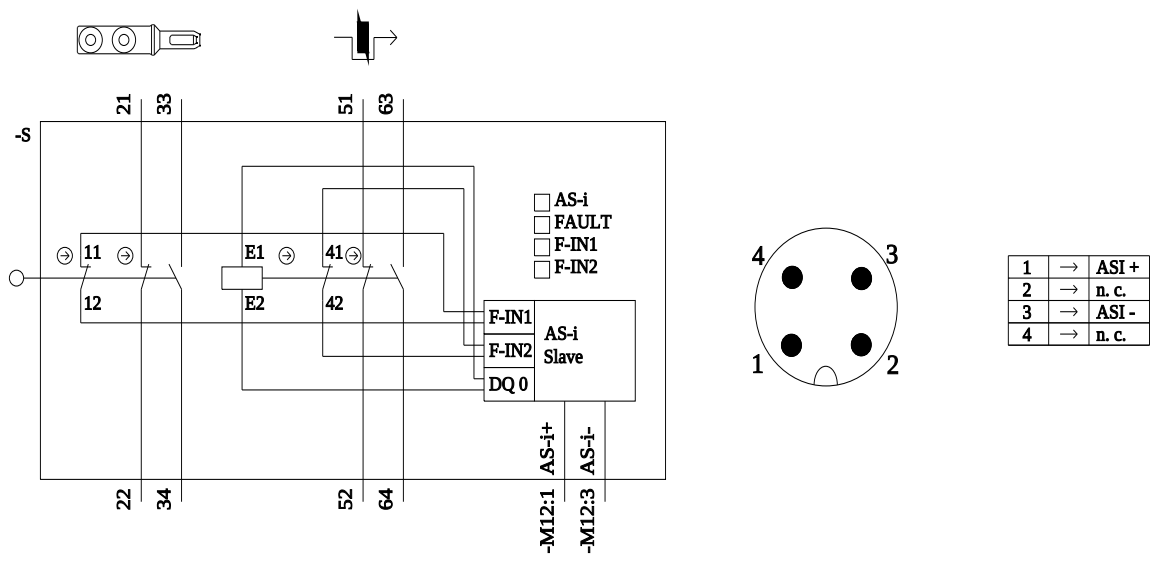
[Type Test Certificates/Test Report](#)

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|--------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|---------------------------------------------|
| other                                                                                | Dangerous Good                | Environment                           | Industrial Communication                    |
| <a href="#">Confirmation</a>                                                         | <a href="#">Miscellaneous</a> | <a href="#">Transport Information</a> | <a href="#">Environmental Confirmations</a> |
|  |                               |                                       |                                             |

Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 Information- and Downloadcenter (Catalogs, Brochures,...)  
<https://www.siemens.com/ic10>  
 Industry Mall (Online ordering system)  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SF1314-1SH11-1BA1>  
 Cax online generator  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SF1314-1SH11-1BA1>  
 Service&Support (Manuals, Certificates, Characteristics, FAQs,...)  
<https://support.industry.siemens.com/cs/ww/en/ps/3SF1314-1SH11-1BA1>  
 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SF1314-1SH11-1BA1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SF1314-1SH11-1BA1&lang=en)





last modified:

3/11/2024