



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, vertical latching, without mechanical interlocking

|  |  |
|--|--|
| product brand name                                       | SIRIUS ACT                                 |
| product designation                                      | Coordinate switches                        |
| design of the product                                    | Actuating/signaling element                |
| product type designation                                 | 3SU1                                       |
| product line   | Plastic with metal front ring, matt, 22 mm |
| <b>Enclosure</b>   |  |
| number of command points                                 | 1  |
| <b>Actuator</b>  |  |
| design of the actuating element                          | without mechanical interlock               |
| principle of operation of the actuating element          | latching                                   |
| direction of actuation                                   | vertical                                   |
| product extension optional                               |  |
| • light source   | No   |
| • contact module   | Yes  |
| color of the actuating element                           | black                                      |
| material of the actuating element                        | plastic                                    |
| shape of the actuating element                           | Extended handle                            |
| outer diameter of the actuating element                  | 30.5 mm                                    |
| number of switching positions                            | 2  |
| Maximum deflection angle [°]                             | 30°  |
| <b>Front ring</b>  |  |
| product component front ring                             | Yes  |
| design of the front ring                                 | high                                       |
| material of the front ring                               | Metal, matt                                |
| color of the front ring                                  | sand gray                                  |
| <b>General technical data</b>                            |  |
| protection class IP                                      | IP65, IP67                                 |
| degree of protection NEMA rating                         | 1, 2, 3, 3R, 4, 4X, 12, 13                 |
| shock resistance   |  |
| • according to IEC 60068-2-27                            | sinusoidal half-wave 15g / 11 ms           |
| vibration resistance                                     |  |
| • according to IEC 60068-2-6                             | 10 ... 500 Hz: 5g                          |
| operating frequency maximum                              | 2 400 1/h                                  |
| mechanical service life (operating cycles)               |  |
| • as operating period per direction of actuation typical | 100 000                                    |
| reference code according to IEC 81346-2                  | S  |
| Substance Prohibitance (Date)                            | 10/01/2014                                 |
| <b>Safety related data</b>                               |  |
| B10 value with high demand rate according to SN 31920    | 100 000                                    |
| proportion of dangerous failures                         |  |

|   |         |
|---|---------|
| • with low demand rate according to SN 31920                  | 20 %    |
| • with high demand rate according to SN 31920                 | 20 %    |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |

#### Ambient conditions

|  |  |
|--|--|
| <b>ambient temperature</b>                                     |  |
| • during operation   | -25 ... +70 °C   |
| • during storage   | -40 ... +80 °C   |
| environmental category during operation according to IEC 60721 | 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%) |

#### Installation/ mounting/ dimensions

|   |         |
|---|---------|
| height                                      | 30.5 mm |
| width                                       | 30.5 mm |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 71.3 mm |
| installation width                          | 30.5 mm |
| installation depth                          | 25.6 mm |

#### Certificates/ approvals

|                          |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|



[Confirmation](#)



|                   |                   |
|-------------------|-------------------|
| Test Certificates | Marine / Shipping |
|-------------------|-------------------|

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



|       |
|-------|
| other |
|-------|

[Confirmation](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1030-7AB10-0AA0>

Cax online generator

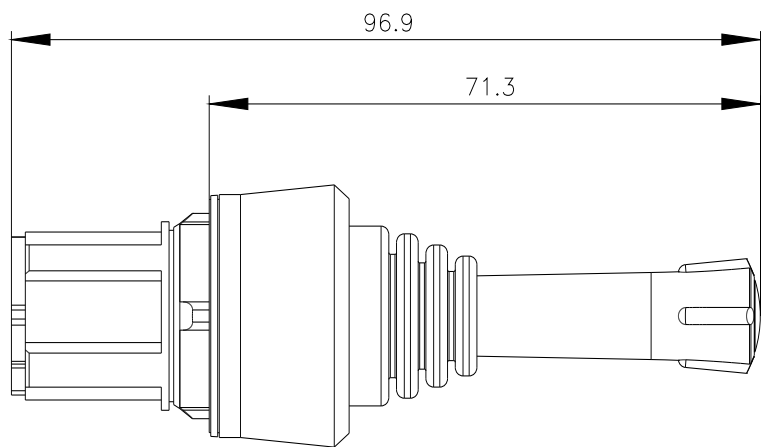
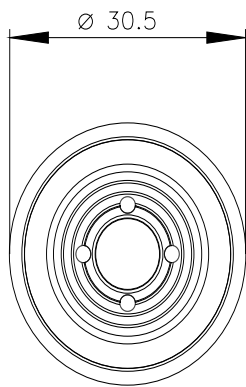
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-7AB10-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-7AB10-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-7AB10-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-7AB10-0AA0&lang=en)



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