



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, horizontal, momentary contact type, with mechanical interlocking, Z=50-unit packaging

|                                                          |                                            |
|----------------------------------------------------------|--------------------------------------------|
| 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                          | with mechanical interlocking               |
| principle of operation of the actuating element          | momentary contact type                     |
| direction of actuation                                   | horizontal                                 |
| 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                                    |
| type of unlocking device                                 | push-to-unlatch mechanism                  |
| 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 | 500 000                                    |
| reference code according to IEC 81346-2                  | S                                          |
| Substance Prohibitance (Date)                            | 10/01/2014                                 |
| <b>Safety related data</b>                               |                                            |
| proportion of dangerous failures                         |                                            |

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| • with low demand rate according to SN 31920                         | 20 %    |
| • with high demand rate according to SN 31920                        | 20 %    |
| <b>B10 value with high demand rate according to SN 31920</b>         | 250 000 |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b> | 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                             | 75.6 mm |
| installation width                          | 30.5 mm |
| installation depth                          | 25.5 mm |

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



##### Test Certificates Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



##### other Environment

[Confirmation](#)

[Environmental Confirmations](#)

#### 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=3SU1030-7BC10-0AA0-Z X90>

##### Cax online generator

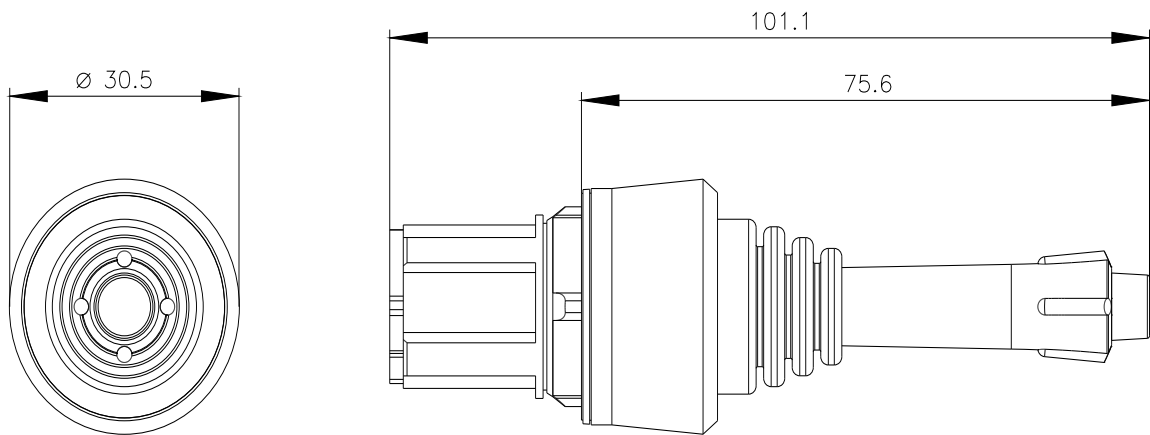
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-7BC10-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-7BC10-0AA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-7BC10-0AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-7BC10-0AA0-Z X90&lang=en)



---

last modified:

1/27/2022 

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Siemens:](#)

[A6X30138381](#)