



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 4 switch positions, momentary contact type, without mechanical interlocking, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

|                                                          |                                                                                                                                 |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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          | momentary contact type                                                                                                          |
| direction of actuation                                   | horizontal / 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                                                                                                                         |
| marking of the actuating element                         | Customized labeling, text or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| number of switching positions                            | 4                                                                                                                               |
| 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>                               |                                                                                                                                 |

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| <b>proportion of dangerous failures</b>                              |         |
| • 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

|                                                    |         |
|----------------------------------------------------|---------|
| <b>height</b>                                      | 30.5 mm |
| <b>width</b>                                       | 30.5 mm |
| <b>shape of the installation opening</b>           | round   |
| <b>mounting diameter</b>                           | 22.3 mm |
| <b>positive tolerance of installation diameter</b> | 0.4 mm  |
| <b>mounting height</b>                             | 71.3 mm |
| <b>installation width</b>                          | 30.5 mm |
| <b>installation depth</b>                          | 25.6 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=3SU1030-7AF10-0AA0-Z Y19>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1030-7AF10-0AA0-Z Y19>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-7AF10-0AA0-Z Y19>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1030-7AF10-0AA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-7AF10-0AA0-Z Y19&lang=en)

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