



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal 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, black, 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                                   | 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                          |
| 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                               | plastic                          |
| color of the front ring                                  | black                            |
| <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 (switching 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                          |

|                                                                                                                                                   |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>proportion of dangerous failures</b>                                                                                                           |              |
| <ul style="list-style-type: none"> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul> | 20 %<br>20 % |
| failure rate [FIT] with low demand rate according to SN 31920                                                                                     | 100 FIT      |

| Ambient conditions                                                                         |                                                                    |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>ambient temperature</b>                                                                 |                                                                    |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul> | -25 ... +70 °C<br>-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](#)



EG-Konf.

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

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



LRS



PRS



RINA

| Marine / Shipping | other |
|-------------------|-------|
|-------------------|-------|



[Environmental Confirmations](#)

[Confirmation](#)

### Further information

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=3SU1000-7AA10-0AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7AA10-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7AA10-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-7AA10-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-7AA10-0AA0&lang=en)

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