

Siemens  
EcoTech



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, with 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                          | with mechanical interlocking     |
| principle of operation of the actuating element          | momentary contact type           |
| 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                          |
| 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                               | 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 (operating cycles)               |                                  |
| • as operating period per direction of actuation typical | 500 000                          |
| reference code according to IEC 81346-2                  | S                                |

|                                                               |            |
|---------------------------------------------------------------|------------|
| Substance Prohibittance (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 %       |
| B10 value with high demand rate according to SN 31920         | 250 000    |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT    |

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Ambient conditions</b>                                      |                                                                    |
| ambient temperature                                            |                                                                    |
| • 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%) |

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| <b>Environmental footprint</b>                         |                 |
| Environmental Product Declaration (EPD)                | Yes             |
| Global Warming Potential [CO2 eq] total                | 0.787 kg        |
| Global Warming Potential [CO2 eq] during manufacturing | 0.566 kg        |
| Global Warming Potential [CO2 eq] during operation     | 0.235 kg        |
| Global Warming Potential [CO2 eq] after end of life    | -0.015 kg       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

|                                             |         |
|---------------------------------------------|---------|
| <b>Installation/ mounting/ dimensions</b>   |         |
| 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 |

|                               |  |
|-------------------------------|--|
| <b>Approvals Certificates</b> |  |
| General Product Approval      |  |



[Confirmation](#)



|                          |                   |                   |
|--------------------------|-------------------|-------------------|
| General Product Approval | Test Certificates | Marine / Shipping |
|--------------------------|-------------------|-------------------|



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



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



[Confirmation](#)



Siemens EcoTech



[Environmental Confirmations](#)

|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

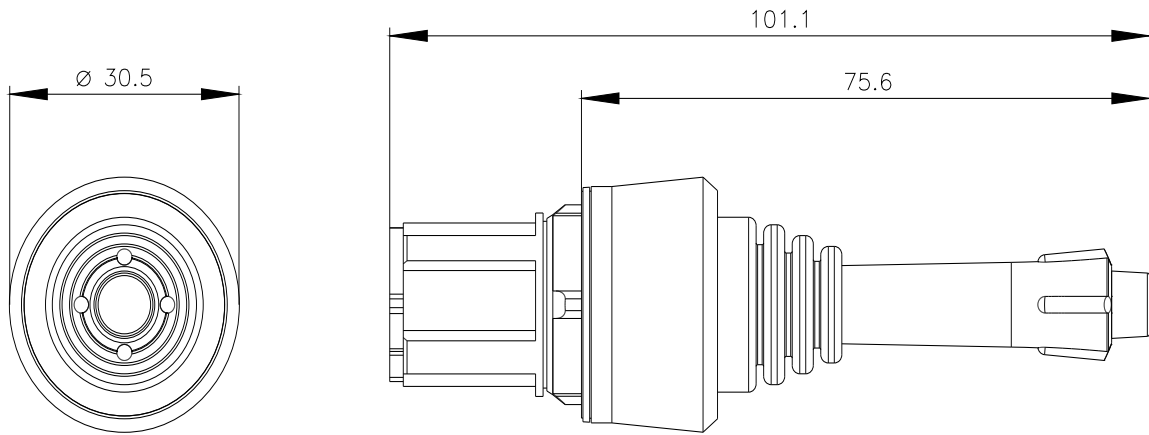
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-7BD10-0AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7BD10-0AA0>

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



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last modified:

2/6/2024 

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