

Siemens  
EcoTech



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal, momentary contact type, without mechanical interlocking, with laser labeling, upper case



|                                                          |                                              |
|----------------------------------------------------------|----------------------------------------------|
| 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          | 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                                      |
| marking of the actuating element                         | Customized labeling, text in capital letters |
| 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>                                           |            |
| <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    |

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Ambient conditions</b>                                      |                                                                    |
| <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%) |

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| <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>          |         |
| <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 |

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



[Confirmation](#)



|                          |                          |
|--------------------------|--------------------------|
| <b>Test Certificates</b> | <b>Marine / Shipping</b> |
|--------------------------|--------------------------|

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



|              |                    |
|--------------|--------------------|
| <b>other</b> | <b>Environment</b> |
|--------------|--------------------|

[Confirmation](#)



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[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=3SU1000-7AC10-0AA0-Z Y11>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7AC10-0AA0-Z Y11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7AC10-0AA0-Z Y11>

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3/2/2024 

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