



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, with mechanical interlocking, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)

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| 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  |
| marking of the actuating element                         | Any inscription, text or symbol, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| 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 (switching cycles)               |  |
| • as operating period per direction of actuation typical | 500 000  |
| reference code according to IEC 81346-2                  | S  |

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| <b>Substance Prohibitance (Date)</b>                           | 10/01/2014   |
| <b>Safety related data</b>                                     |  |
| B10 value with high demand rate according to SN 31920          | 250 000  |
| <b>proportion of dangerous failures</b>                        |  |
| • with low demand rate according to SN 31920                   | 20 %   |
| • with high demand rate according to SN 31920                  | 20 %   |
| failure rate [FIT] with low demand rate according to SN 31920  | 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>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>   | 75.6 mm  |
| <b>installation width</b>                                      | 30.5 mm  |
| <b>installation depth</b>                                      | 25.5 mm  |
| <b>Certificates/ approvals</b>                                 |  |
| <b>Further information</b>                                     |  |

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?mfb=3SU1000-7BD10-0AA0-Z Y19>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1000-7BD10-0AA0-Z Y19>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7BD10-0AA0-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?mfb=3SU1000-7BD10-0AA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SU1000-7BD10-0AA0-Z Y19&lang=en)

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