

Siemens  
EcoTech



Pushbutton, 22 mm, round, metal, shiny, red, inscription: O, pushbutton, flat momentary contact type, Z=100-unit packaging



|                                                    |                                  |
|----------------------------------------------------|----------------------------------|
| product brand name                                 | SIRIUS ACT                       |
| product designation                                | Pushbuttons                      |
| design of the product                              | Actuating/signaling element      |
| product type designation                           | 3SU1                             |
| product line                                       | Metal, shiny, 22 mm              |
| <b>Enclosure</b>                                   |                                  |
| number of command points                           | 1                                |
| <b>Actuator</b>                                    |                                  |
| design of the actuating element                    | Flat button                      |
| principle of operation of the actuating element    | momentary contact type           |
| product extension optional                         |                                  |
| • light source                                     | No                               |
| • contact module                                   | Yes                              |
| color of the actuating element                     | red                              |
| material of the actuating element                  | plastic                          |
| shape of the actuating element                     | round                            |
| outer diameter of the actuating element            | 29.5 mm                          |
| marking of the actuating element                   | "O"                              |
| <b>Front ring</b>                                  |                                  |
| product component front ring                       | Yes                              |
| design of the front ring                           | Standard                         |
| material of the front ring                         | Metal, high gloss                |
| color of the front ring                            | silver                           |
| <b>General technical data</b>                      |                                  |
| protection class IP                                | IP66, IP67, IP69(IP69K)          |
| 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                        | 3 600 1/h                        |
| mechanical service life (operating cycles) typical | 10 000 000                       |
| reference code according to IEC 81346-2            | S                                |
| Substance Prohibitance (Date)                      | 10/01/2014                       |
| Weight                                             | 0.037 kg                         |
| <b>Safety related data</b>                         |                                  |
| proportion of dangerous failures                   |                                  |

|                                                                                                                                                                                                                                        |                                                                    |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------|
| <ul style="list-style-type: none"><li>• with low demand rate according to SN 31920</li><li>• with high demand rate per NC contact according to SN 31920</li><li>• with high demand rate per NO contact according to SN 31920</li></ul> | 20 %                                                               |       |
|                                                                                                                                                                                                                                        | 20 %                                                               |       |
|                                                                                                                                                                                                                                        | 50 %                                                               |       |
| <b>B10 value with high demand rate according to SN 31920</b>                                                                                                                                                                           | 10 000 000                                                         |       |
| <b>failure rate [FIT] with low demand rate per NC contact according to SN 31920</b>                                                                                                                                                    | 100 FIT                                                            |       |
| IEC 61508                                                                                                                                                                                                                              |                                                                    |       |
| T1 value for proof test interval or service life according to IEC 61508                                                                                                                                                                | 20 a                                                               |       |
| 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%) |       |
| Environmental footprint                                                                                                                                                                                                                |                                                                    |       |
| Environmental Product Declaration(EPD)                                                                                                                                                                                                 | Yes                                                                |       |
| global warming potential [CO2 eq] total                                                                                                                                                                                                | 0.593 kg                                                           |       |
| global warming potential [CO2 eq] during manufacturing                                                                                                                                                                                 | 0.625 kg                                                           |       |
| global warming potential [CO2 eq] during operation                                                                                                                                                                                     | 0.235 kg                                                           |       |
| global warming potential [CO2 eq] after end of life                                                                                                                                                                                    | -0.267 kg                                                          |       |
| Siemens Eco Profile (SEP)                                                                                                                                                                                                              | Siemens EcoTech                                                    |       |
| Installation/ mounting/ dimensions                                                                                                                                                                                                     |                                                                    |       |
| <b>height</b>                                                                                                                                                                                                                          | 29.5 mm                                                            |       |
| <b>width</b>                                                                                                                                                                                                                           | 29.5 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>                                                                                                                                                                                                                 | 11 mm                                                              |       |
| <b>installation width</b>                                                                                                                                                                                                              | 29.5 mm                                                            |       |
| <b>installation depth</b>                                                                                                                                                                                                              | 24.3 mm                                                            |       |
| Approvals Certificates                                                                                                                                                                                                                 |                                                                    |       |
| General Product Approval                                                                                                                                                                                                               | Test Certificates                                                  | other |



[Type Test Certificates/Test Report](#)

[Confirmation](#)

## Environment



[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=3SU1050-0AB20-0AD0-Z X90>

### Cax online generator

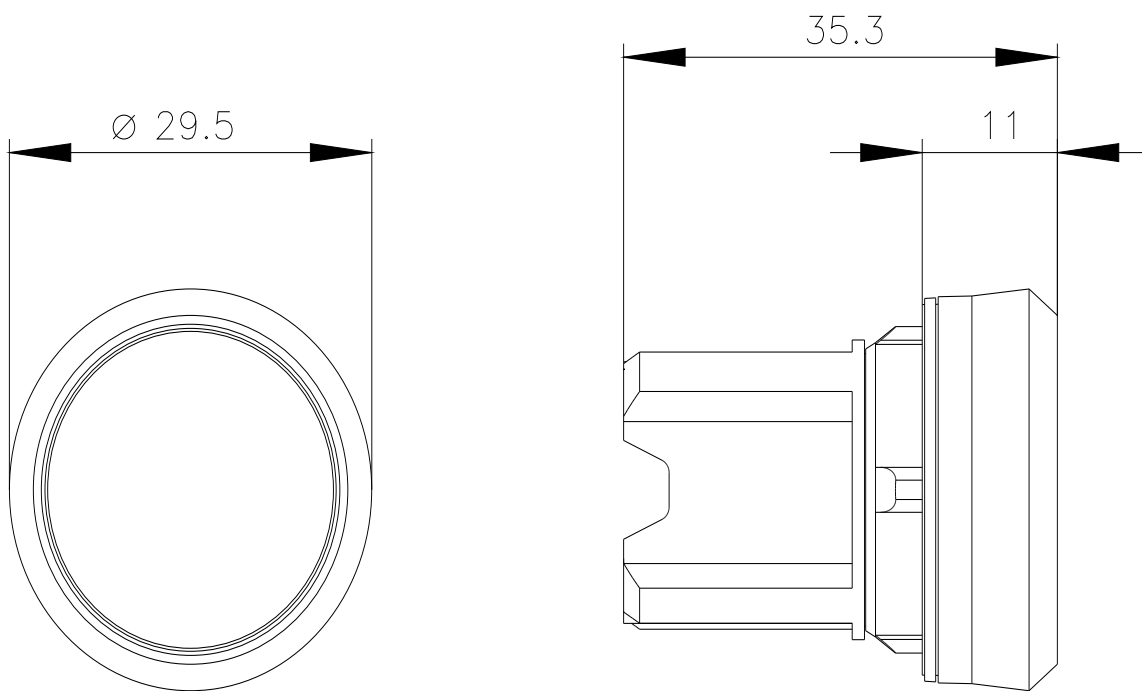
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-0AB20-0AD0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-0AB20-0AD0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-0AB20-0AD0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-0AB20-0AD0-Z X90&lang=en)



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