



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, positive latching, acc. to EN ISO 13850, rotate-to-unlatch

|   |                                     |
|---|-------------------------------------|
| product brand name                                    | SIRIUS ACT                          |
| product designation                                   | EMERGENCY STOP mushroom 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                       | positive latching                   |
| principle of operation of the actuating element       | latching                            |
| 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               | 40 mm                               |
| type of unlocking device                              | rotate-to-unlatch mechanism         |
| number of switching positions                         | 2                                   |
| <b>Front ring</b>                                     |                                     |
| product component front ring                          | No                                  |
| <b>General technical data</b>                         |                                     |
| product function                                      |                                     |
| • positive opening                                    | Yes                                 |
| • EMERGENCY OFF function                              | Yes                                 |
| • EMERGENCY STOP function                             | Yes                                 |
| 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                           | 600 1/h                             |
| mechanical service life (switching cycles) typical    | 300 000                             |
| 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>                       |         |
| • 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>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>                             | 45.3 mm |
| <b>installation width</b>                          | 40 mm   |
| <b>installation depth</b>                          | 26.3 mm |

|                                |                           |
|--------------------------------|---------------------------|
| <b>Certificates/ approvals</b> |                           |
| General Product Approval       | Declaration of Conformity |



[Confirmation](#)



|                           |                   |                   |
|---------------------------|-------------------|-------------------|
| Declaration of Conformity | Test Certificates | Marine / Shipping |
|---------------------------|-------------------|-------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



|                   |       |
|-------------------|-------|
| 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?mfb=3SU1050-1HB20-0AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SU1050-1HB20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1HB20-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SU1050-1HB20-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SU1050-1HB20-0AA0&lang=en)

last modified:

1/27/2022