



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 60 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                 |

### Enclosure

|                          |   |
|--------------------------|---|
| number of command points | 1 |
|--------------------------|---|

### Actuator

|                                                 |                           |
|-------------------------------------------------|---------------------------|
| 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         | 60 mm                     |
| type of unlocking device                        | pull-to-unlatch mechanism |
| number of switching positions                   | 2                         |

### Front ring

|                              |    |
|------------------------------|----|
| product component front ring | No |
|------------------------------|----|

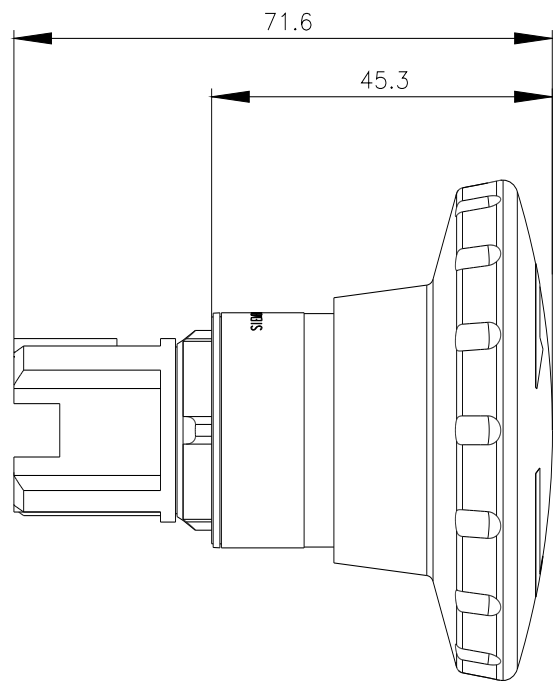
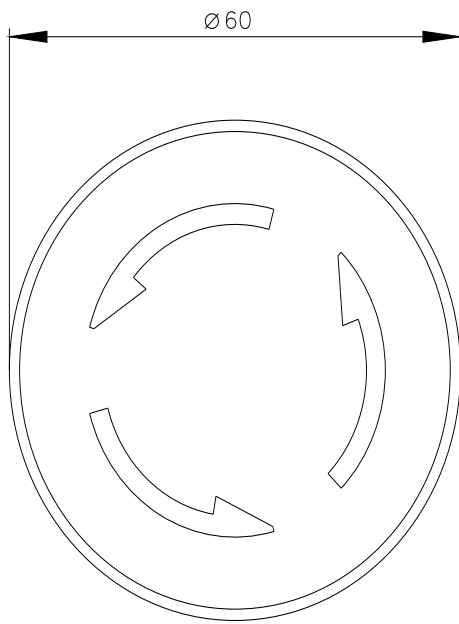
### General technical data

|                                                    |                                  |
|----------------------------------------------------|----------------------------------|
| 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                       |

### Safety related data

|                                                       |         |
|-------------------------------------------------------|---------|
| B10 value with high demand rate according to SN 31920 | 100 000 |
| proportion of dangerous failures                      |         |
| • 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                                                                                                                                                                                                                                                                                                                  |
| Ambient conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| 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%)                                                                                                                                                                                                                                                       |
| Installation/ mounting/ dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| shape of the installation opening                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                             | round                                                                                                                                                                                                                                                                                                                    |
| mounting diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                             | 22.3 mm                                                                                                                                                                                                                                                                                                                  |
| positive tolerance of installation diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                             | 0.4 mm                                                                                                                                                                                                                                                                                                                   |
| mounting height                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                             | 45.3 mm                                                                                                                                                                                                                                                                                                                  |
| installation width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                             | 60 mm                                                                                                                                                                                                                                                                                                                    |
| installation depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                             | 26.3 mm                                                                                                                                                                                                                                                                                                                  |
| Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                             | Declaration of Conformity                                                                                                                                                                                                                                                                                                |
| <div><div><br/>CSA</div><div><a href="#">Confirmation</a></div><div><br/>UL</div><div><br/>VDE</div><div></div><div><br/>EG-Konf.</div></div> |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| Declaration of Conformity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Test Certificates                                                                           | Marine / Shipping                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Type Test Certificates/Test Report</a>                                          | <a href="#">Special Test Certificate</a>                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                             | <div><br/>ABS</div> <div><br/>LRS</div> <div><br/>PRS</div> |
| Marine / Shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | other                                                                                       |                                                                                                                                                                                                                                                                                                                          |
| <br>RINA                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <br>RMRS | <div><a href="#">Environmental Confirmations</a></div> <div><a href="#">Confirmation</a></div>                                                                                                                                                                                                                           |
| Further information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| Industry Mall (Online ordering system)<br><a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-1JB20-0AA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1050-1JB20-0AA0</a>                                                                                                                                                                                                                                                                                                                                      |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| Cax online generator<br><a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1050-1JB20-0AA0">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1050-1JB20-0AA0</a>                                                                                                                                                                                                                                                                                                                            |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,...)<br><a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1JB20-0AA0">https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1JB20-0AA0</a>                                                                                                                                                                                                                                                                                                                                            |                                                                                             |                                                                                                                                                                                                                                                                                                                          |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-1JB20-0AA0&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-1JB20-0AA0&amp;lang=en</a>                                                                                                                                                                                                                                                       |                                                                                             |                                                                                                                                                                                                                                                                                                                          |



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