



EMERGENCY STOP mushroom pushbutton, 22 mm, round, metal, shiny, red, 40 mm, with lock Siemens, lock no. VL5, positive latching, according to DIN EN ISO 13850, key-operated release

|                          |                                     |
|--------------------------|-------------------------------------|
| 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         | 40 mm             |
| type of unlocking device                        | Unlocking         |
| number of switching positions                   | 2                 |
| switch position for key distraction             | O                 |
| lock make                                       | CES               |
| key number                                      | VL5               |

### 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 (operating 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 |
| <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 |

#### Ambient conditions

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <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%) |

#### Installation/ mounting/ dimensions

|                                                    |         |
|----------------------------------------------------|---------|
| <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>                             | 84.5 mm |
| <b>installation width</b>                          | 40 mm   |
| <b>installation depth</b>                          | 26.3 mm |

#### Certificates/ approvals

|                          |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|



[Confirmation](#)



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



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



|                   |       |
|-------------------|-------|
| Marine / Shipping | other |
|-------------------|-------|



[Confirmation](#)

[Environmental Confirmations](#)

#### 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?mlfb=3SU1050-1HU20-0AA0>

Cax online generator

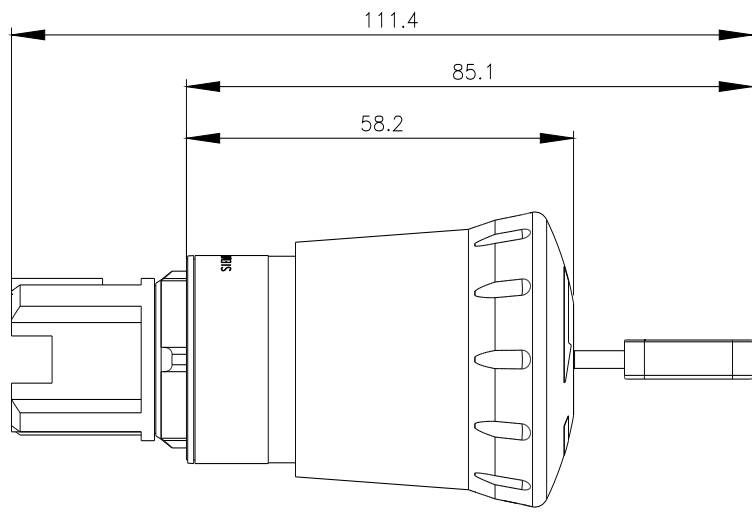
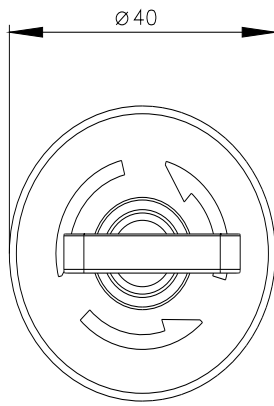
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-1HU20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1HU20-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-1HU20-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-1HU20-0AA0&lang=en)



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