

Siemens  
EcoTech



mushroom pushbutton, 22 mm, round, metal, shiny, black, 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                                | 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                               |
| color of the actuating element                     | black                            |
| 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                                |
| Front ring                                         |                                  |
| product component front ring                       | No                               |
| design of the front ring                           | without                          |
| General technical data                             |                                  |
| product function                                   |                                  |
| • EMERGENCY OFF function                           | No                               |
| • EMERGENCY STOP function                          | No                               |
| 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                                |                                  |
| proportion of dangerous failures                   |                                  |
| • with low demand rate according to SN 31920       | 20 %                             |

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| • with high demand rate according to SN 31920                        | 20 %    |
| <b>B10 value with high demand rate according to SN 31920</b>         | 100 000 |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b> | 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%) |

#### 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

|                                             |         |
|---------------------------------------------|---------|
| height                                      | 40 mm   |
| width                                       | 40 mm   |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 85.1 mm |
| installation width                          | 40 mm   |
| installation depth                          | 26.3 mm |

#### Approvals Certificates

|                          |                   |                   |
|--------------------------|-------------------|-------------------|
| General Product Approval | Test Certificates | Marine / Shipping |
|--------------------------|-------------------|-------------------|

[Confirmation](#)



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



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



[Confirmation](#)



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#### 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=3SU1050-1HU10-0AA0>

Cax online generator

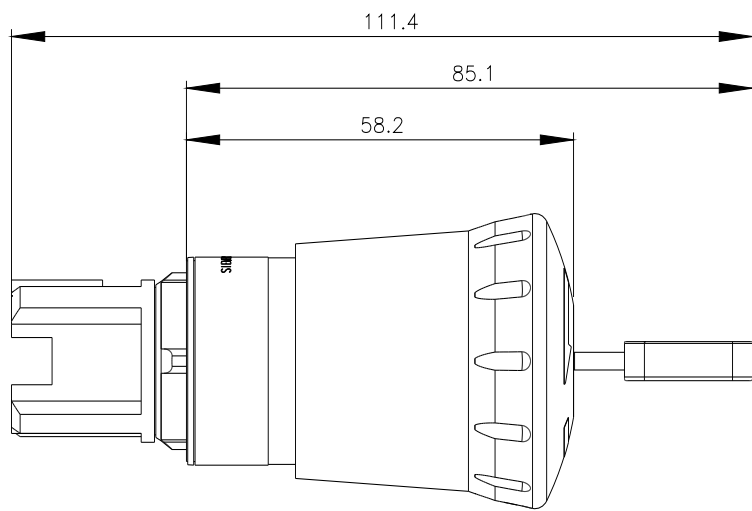
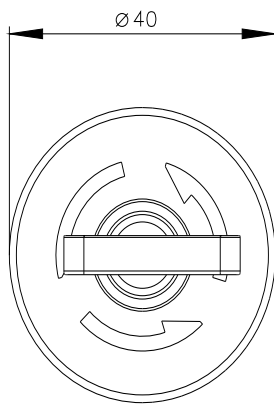
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-1HU10-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-1HU10-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-1HU10-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-1HU10-0AA0&lang=en)



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last modified:

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