



EMERGENCY STOP mushroom pushbutton, 22 mm, round, plastic, red, 40 mm, with RONIS lock, lock number SB30, positive latching, acc. to EN ISO 13850, key-operated release Z=50-unit packaging

|                                                  |                                     |
|--------------------------------------------------|-------------------------------------|
| product brand name                               | SIRIUS ACT                          |
| product designation                              | EMERGENCY STOP mushroom pushbuttons |
| design of the product                            | Actuating/signaling element         |
| product type designation                         | 3SU1                                |
| product line                                     | Plastic, black, 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                                        | RONIS                               |
| key number                                       | SB30                                |
| 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    |
| • for railway applications according to EN 61373 | Category 1, Class B                 |
| vibration resistance                             |                                     |
| • according to IEC 60068-2-6                     | 10 ... 500 Hz: 5g                   |

|                                                           |                     |
|-----------------------------------------------------------|---------------------|
| • for railway applications according to EN 61373          | Category 1, Class B |
| <b>operating frequency maximum</b>                        | 600 1/h             |
| <b>mechanical service life (operating cycles) typical</b> | 300 000             |
| <b>reference code according to IEC 81346-2</b>            | S                   |
| <b>Substance Prohibittance (Date)</b>                     | 10/01/2014          |

#### Safety related data

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| <b>proportion of dangerous failures</b>                              |         |
| • 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                | 0.787 kg        |
| Global Warming Potential [CO2 eq] during manufacturing | 0.566 kg        |
| Global Warming Potential [CO2 eq] during operation     | 0.235 kg        |
| Global Warming Potential [CO2 eq] after end of life    | -0.015 kg       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

#### 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>                             | 67.1 mm |
| <b>installation width</b>                          | 40 mm   |
| <b>installation depth</b>                          | 26.3 mm |

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



##### Test Certificates

##### Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



##### 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=3SU1000-1HF20-0AA0-Z X90>

##### Cax online generator

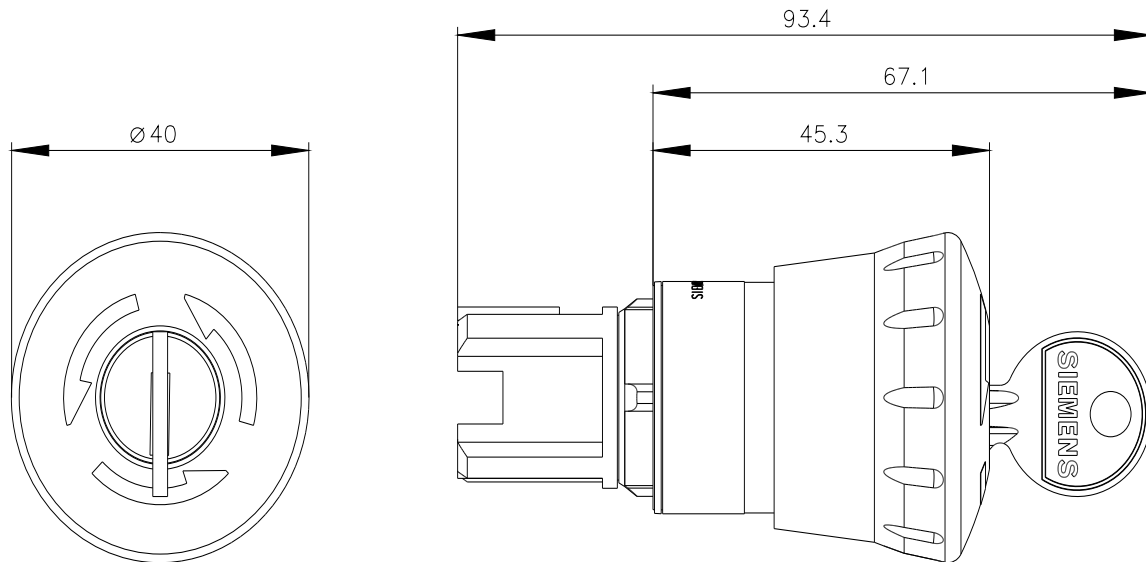
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1HF20-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1HF20-0AA0-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=3SU1000-1HF20-0AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1HF20-0AA0-Z X90&lang=en)



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