

EM. STOP MUSHROOM PUSHBUTTON, 22MM, ROUND, PLASTIC, RED, 60MM, POSITIVE LATCHING, ROTATE TO UNLATCH



Figure similar

|                                             |                                                  |
|---------------------------------------------|--------------------------------------------------|
| Product brand name                          | SIRIUS ACT                                       |
| Product designation                         | EMERGENCY STOP mushroom pushbuttons              |
| Product type designation                    | 3SU1                                             |
| Enclosure                                   |                                                  |
| Number of command points                    | 1                                                |
| Actuator                                    |                                                  |
| Design of the operating mechanism           | Emergency stop mushroom pushbutton, tamper-proof |
| Manner of function of the actuating element | Latching                                         |
| Product extension optional Light source     | No                                               |
| 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                    | rotate-to-unlatch mechanism                      |
| Number of switching positions               | 2                                                |
| Front ring                                  |                                                  |

|                              |    |
|------------------------------|----|
| Product component front ring | No |
|------------------------------|----|

## General technical data

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| <b>Product function</b>                           |                                   |
| • positive opening                                | Yes                               |
| • EMERGENCY OFF function                          | Yes                               |
| • EMERGENCY STOP function                         | Yes                               |
| <b>Protection class IP</b>                        | IP66, IP67, IP69(IP69K)           |
| <b>Degree of protection NEMA rating</b>           | NEMA 1, 2, 3, 3R, 4, 4X, 12       |
| <b>Shock resistance</b>                           |                                   |
| • acc. to IEC 60068-2-27                          | Sinusoidal half-wave 50 g / 11 ms |
| • for railway applications acc. to DIN EN 61373   | Category 1, Class B               |
| <b>Vibration resistance</b>                       |                                   |
| • acc. to IEC 60068-2-6                           | 10 ... 500 Hz: 5g                 |
| • for railway applications acc. to DIN EN 61373   | Category 1, Class B               |
| <b>Operating frequency maximum</b>                | 600 1/h                           |
| <b>Mechanical service life (switching cycles)</b> |                                   |
| • typical                                         | 300 000                           |
| <b>Equipment marking</b>                          |                                   |
| • acc. to DIN EN 61346-2                          | S                                 |
| • acc. to DIN EN 81346-2                          | S                                 |

## Safety related data

|                                                                           |         |
|---------------------------------------------------------------------------|---------|
| <b>B10 value</b>                                                          |         |
| • with high demand rate acc. to SN 31920                                  | 100 000 |
| <b>Proportion of dangerous failures</b>                                   |         |
| • with low demand rate acc. to SN 31920                                   | 20 %    |
| • with high demand rate acc. to SN 31920                                  | 20 %    |
| <b>Failure rate [FIT]</b>                                                 |         |
| • with low demand rate acc. to SN 31920                                   | 100 FIT |
| <b>T1 value for proof test interval or service life acc. to IEC 61508</b> | 20 y    |

## Ambient conditions

|                                                           |                                                                     |
|-----------------------------------------------------------|---------------------------------------------------------------------|
| <b>Ambient temperature</b>                                |                                                                     |
| • during operation                                        | -25 ... +70 °C                                                      |
| • during storage                                          | -40 ... +80 °C                                                      |
| Environmental category during operation acc. 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>                             | 45.3 mm |

|                    |         |
|--------------------|---------|
| Installation width | 60 mm   |
| Installation depth | 26.3 mm |

#### Certificates/approvals

| General Product Approval                                                          |                                                                                   |                                                                                   |                                                                                   | Declaration of<br>Conformity                                                        | Test<br>Certificates                                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|
|  |  |  |  |  | <a href="#">Declaration of the<br/>Compliance with the<br/>order</a> |
| CSA                                                                               | UL                                                                                | VDE                                                                               |                                                                                   | EG-Konf.                                                                            |                                                                      |

| Test<br>Certificates                         | other                        |
|----------------------------------------------|------------------------------|
| <a href="#">Special Test<br/>Certificate</a> | <a href="#">Confirmation</a> |

#### Further information

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-1JB20-0AA0>

##### Cax online generator

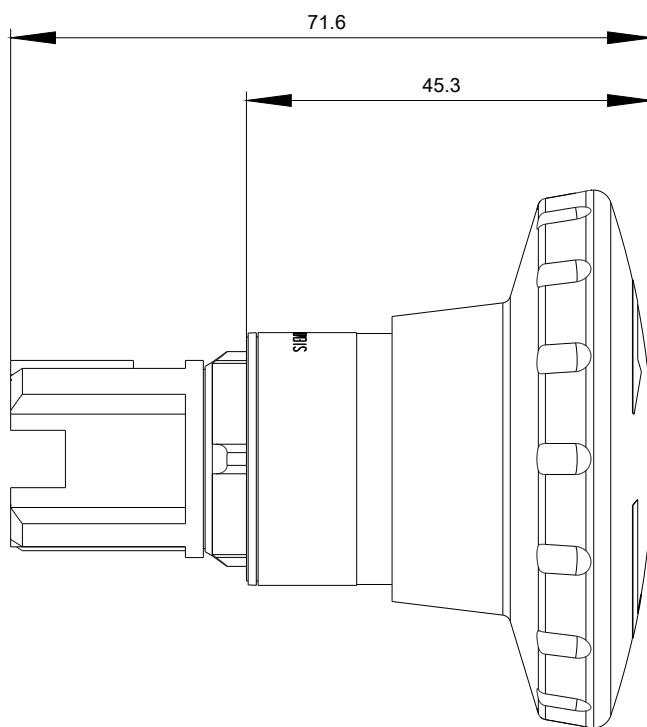
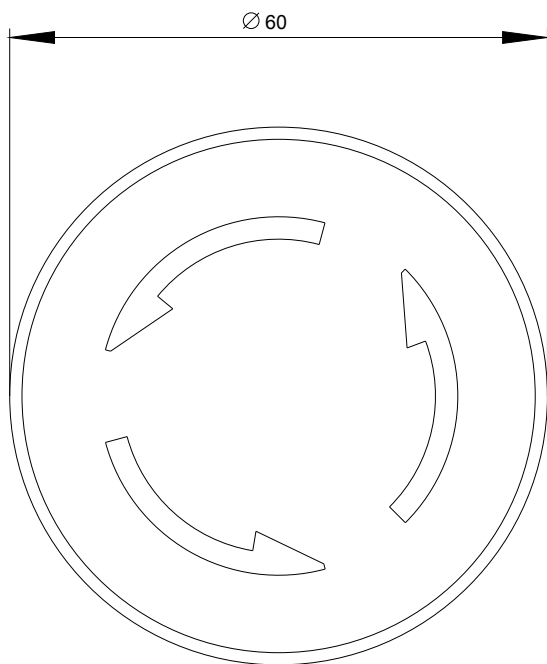
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-1JB20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-1JB20-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-1JB20-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-1JB20-0AA0&lang=en)



last modified:

07/10/2017