

EMERGENCY STOP MUSHR. PUSHB., CAN BE ILLUMINATED, 22MM, ROUND, PLASTIC, RED, 30MM, 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     | 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     | 33.8 mm                                          |
| Type of unlocking device                    | rotate-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                                   | NEMA 1, 2, 3, 3R, 4, 4X, 12                                         |
| Shock resistance                                                   |                                                                     |
| • 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                                                 |
| Vibration resistance                                               |                                                                     |
| • acc. to IEC 60068-2-6                                            | 10 ... 500 Hz: 5g                                                   |
| • for railway applications acc. to DIN EN 61373                    | Category 1, Class B                                                 |
| Operating frequency maximum                                        | 600 1/h                                                             |
| Mechanical service life (switching cycles)                         |                                                                     |
| • typical                                                          | 300 000                                                             |
| Equipment marking                                                  |                                                                     |
| • acc. to DIN EN 61346-2                                           | S                                                                   |
| • acc. to DIN EN 81346-2                                           | S                                                                   |
| Safety related data                                                |                                                                     |
| B10 value                                                          |                                                                     |
| • with high demand rate acc. to SN 31920                           | 100 000                                                             |
| Proportion of dangerous failures                                   |                                                                     |
| • with low demand rate acc. to SN 31920                            | 20 %                                                                |
| • with high demand rate acc. to SN 31920                           | 20 %                                                                |
| Failure rate [FIT]                                                 |                                                                     |
| • with low demand rate acc. to SN 31920                            | 100 FIT                                                             |
| T1 value for proof test interval or service life acc. to IEC 61508 | 20 y                                                                |
| Ambient conditions                                                 |                                                                     |
| Ambient temperature                                                |                                                                     |
| • 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                                 |                                                                     |
| Shape of the installation opening                                  | round                                                               |
| Mounting diameter                                                  | 22.3 mm                                                             |
| Positive tolerance of installation diameter                        | 0.4 mm                                                              |
| Mounting height                                                    | 44.2 mm                                                             |

|                    |         |
|--------------------|---------|
| Installation width | 33.8 mm |
| Installation depth | 26.3 mm |

#### Certificates/approvals

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

| Test Certificates                        | other                        |
|------------------------------------------|------------------------------|
| <a href="#">Special Test 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=3SU1001-1GB20-0AA0>

##### Cax online generator

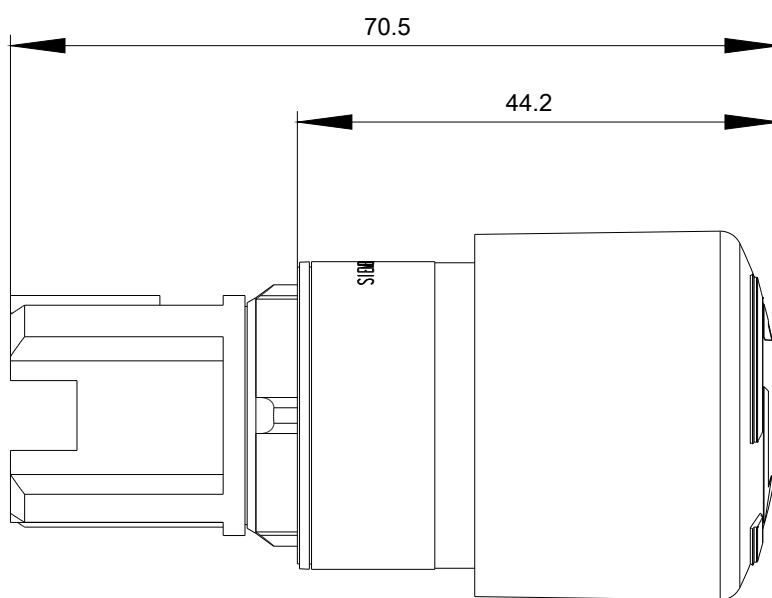
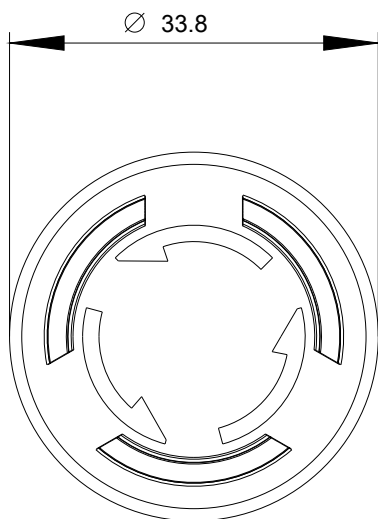
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1001-1GB20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1001-1GB20-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1001-1GB20-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1001-1GB20-0AA0&lang=en)



last modified:

07/10/2017