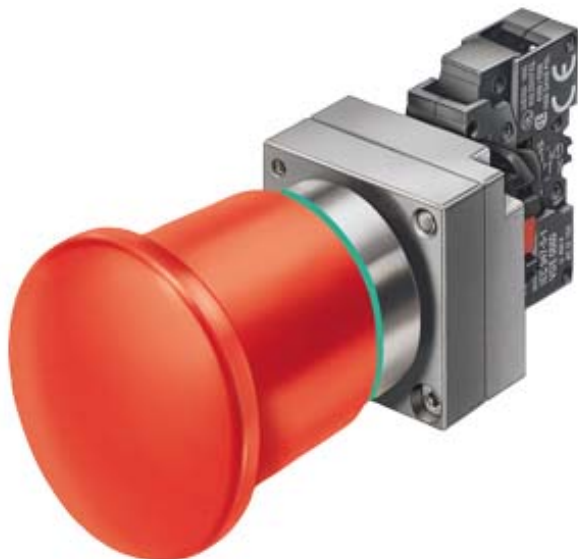


22MM METAL ROUND COMPLETE UNIT COMBINATION:  
EMERGEN.-STOP MUSHR.PUSHB. 40MM LATCHING W.PULL-  
TO-UNLOCK MECH. WITH YELLOW BACKING PLATE SCREW  
TERMINAL, 1ONC WITH HOLDER RED SOLVENT RESISTANT  
INSCRIPTION: NOT-HALT



|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Design of the product                       | Complete unit round with positive latching in accordance with ISO 13850 |
| Enclosure:                                  |                                                                         |
| Shape of the enclosure front                | round                                                                   |
| Material of the enclosure                   | metal                                                                   |
| Number of command points                    | 1                                                                       |
| Actuator:                                   |                                                                         |
| Design of the operating mechanism           | Emergency stop mushroom pushbutton                                      |
| 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                                                                 |
| Type of unlocking device                    | pull-to-unlatch mechanism                                               |
| Number of switching positions               | 2                                                                       |
| Front ring:                                 |                                                                         |
| Product component front ring                | No                                                                      |
| Holder:                                     |                                                                         |

|                                                                     |                   |
|---------------------------------------------------------------------|-------------------|
| <b>Material of the holder</b>                                       | Metal             |
| <b>Contact block/ lampholder:</b>                                   |                   |
| <b>Number of lampholders</b>                                        | 0                 |
| <b>Number of switching elements</b>                                 | 1                 |
| <b>General technical data:</b>                                      |                   |
| <b>Product function</b>                                             |                   |
| • positive opening                                                  | Yes               |
| <b>Product component</b>                                            |                   |
| • Light source                                                      | No                |
| <b>Type of voltage</b>                                              |                   |
| • of the operating voltage                                          | AC/DC             |
| <b>Protection class IP</b>                                          | IP67              |
| <b>Vibration resistance</b>                                         |                   |
| • acc. to IEC 60068-2-6                                             | 20 ... 200 Hz: 5g |
| <b>Operating frequency maximum</b>                                  | 1 000 1/h         |
| <b>Mechanical service life (switching cycles)</b>                   |                   |
| • typical                                                           | 300 000           |
| <b>Equipment marking</b>                                            |                   |
| • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | S                 |
| • acc. to DIN EN 61346-2                                            | S                 |
| • acc. to DIN EN 81346-2                                            | S                 |
| <b>Operating voltage</b>                                            |                   |
| • rated value                                                       | 5 ... 400 V       |
| <b>Auxiliary circuit:</b>                                           |                   |
| <b>Number of NC contacts</b>                                        |                   |
| • for auxiliary contacts                                            | 1                 |
| <b>Number of NO contacts</b>                                        |                   |
| • for auxiliary contacts                                            | 0                 |
| <b>Number of CO contacts</b>                                        |                   |
| • for auxiliary contacts                                            | 0                 |
| <b>Operating current at AC-12</b>                                   |                   |
| • at 24 V rated value                                               | 10 A              |
| • at 48 V rated value                                               | 10 A              |
| • at 110 V rated value                                              | 10 A              |
| • at 230 V rated value                                              | 10 A              |
| • at 400 V rated value                                              | 10 A              |
| <b>Operating current at AC-15</b>                                   |                   |
| • at 24 V rated value                                               | 6 A               |
| • at 48 V rated value                                               | 6 A               |
| • at 110 V rated value                                              | 6 A               |

|                                   |       |
|-----------------------------------|-------|
| • at 230 V rated value            | 6 A   |
| • at 400 V rated value            | 3 A   |
| <b>Operating current at DC-12</b> |       |
| • at 24 V rated value             | 10 A  |
| • at 48 V rated value             | 5 A   |
| • at 110 V rated value            | 2.5 A |
| • at 230 V rated value            | 1 A   |
| <b>Operating current at DC-13</b> |       |
| • at 24 V rated value             | 3 A   |
| • at 48 V rated value             | 1.5 A |
| • at 110 V rated value            | 0.7 A |
| • at 230 V rated value            | 0.3 A |

#### Connections/ Terminals:

|                                                       |                      |
|-------------------------------------------------------|----------------------|
| <b>Type of electrical connection</b>                  | screw-type terminals |
| <b>Tightening torque of the screws in the bracket</b> | 1.4 ... 1.6 N·m      |

#### Safety related data:

|                                                                           |         |
|---------------------------------------------------------------------------|---------|
| <b>B10 value</b>                                                          |         |
| • with high demand rate acc. to SN 31920                                  | 30 000  |
| <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 |
| <b>Environmental category during operation acc. to IEC 60721</b> | 3K6            |

#### Installation/ mounting/ dimensions:

|                                          |                |
|------------------------------------------|----------------|
| <b>Mounting type</b>                     | front mounting |
| <b>Shape of the installation opening</b> | round          |
| <b>Mounting diameter</b>                 | 22 mm          |
| <b>Mounting height</b>                   | 49 mm          |
| <b>Installation width</b>                | 40.5 mm        |
| <b>Installation depth</b>                | 49 mm          |

#### Accessories:

|                                                          |    |
|----------------------------------------------------------|----|
| <b>Product component holder for 3 switching elements</b> | No |
|----------------------------------------------------------|----|

## Certificates/approvals

| General Product Approval | Functional Safety/Safety of Machinery | Declaration of Conformity | Test Certificates |
|--------------------------|---------------------------------------|---------------------------|-------------------|
|--------------------------|---------------------------------------|---------------------------|-------------------|



CCC



CSA



VDE



EG-Konf.

[spezielle Prüfbescheinigungen](#)

[n](#)

| Shipping Approval | other |
|-------------------|-------|
|-------------------|-------|



ABS



DNV



LRS



PRS



RINA

[Umweltbestätigung](#)

### other

[sonstig](#)

[Bestätigungen](#)

## 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=3SB3603-1TA20>

### Cax online generator

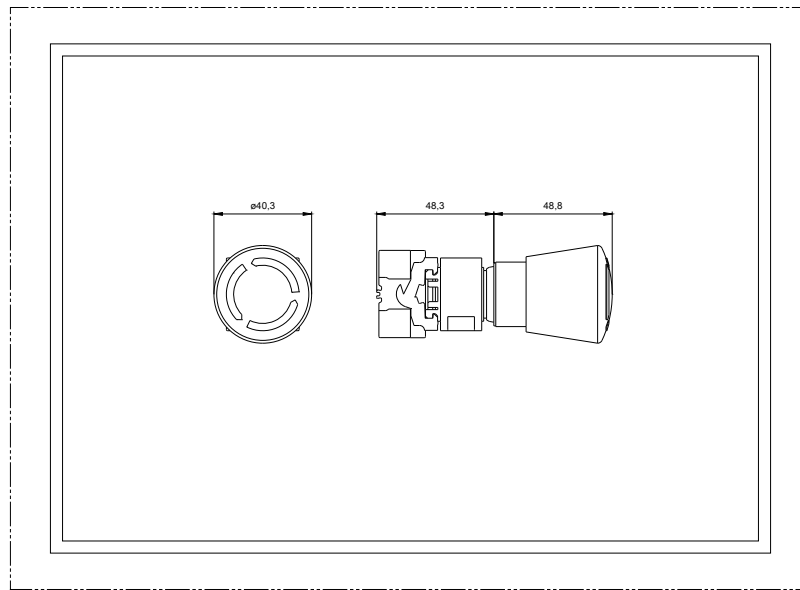
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB3603-1TA20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB3603-1TA20>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SB3603-1TA20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB3603-1TA20&lang=en)



last modified:

10/07/2016