



22MM METAL ROUND ACTUATOR: EMERGEN.-STOP  
MUSHR.PUSHB. 40MM WITH RONIS KEY-OPER.SWITCH  
LATCHING WITH KEY-OPER.SWITCH- UNLOCKING RED LOCK  
NO SB30 WITH HOLDER POSSIBLE SPECIAL CLOSURES:  
3SB31, 421, 455

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Design of the product                       | Single device round with positive latching in accordance with ISO 13850 |
| Enclosure:                                  |                                                                         |
| Number of command points                    | 1                                                                       |
| Actuator:                                   |                                                                         |
| Design of the operating mechanism           | Emergency stop mushroom pushbutton with lock                            |
| 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                                                                 |
| Outer diameter of the actuating element     | 40 mm                                                                   |
| Type of unlocking device                    | key unlatching                                                          |
| Number of switching positions               | 2                                                                       |
| Switch position for key distraction         | O+I                                                                     |
| Lock make                                   | RONIS                                                                   |
| Front ring:                                 |                                                                         |
| Product component front ring                | No                                                                      |

|                                                                           |                   |
|---------------------------------------------------------------------------|-------------------|
| <b>Holder:</b>                                                            |                   |
| <b>Material of the holder</b>                                             | Metal             |
| <b>General technical data:</b>                                            |                   |
| <b>Product function</b>                                                   |                   |
| • EMERGENCY OFF function                                                  | Yes               |
| • EMERGENCY STOP function                                                 | Yes               |
| <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>Connections/ Terminals:</b>                                            |                   |
| <b>Tightening torque of the screws in the bracket</b>                     | 1 N·m             |
| <b>Safety related data:</b>                                               |                   |
| <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              |
| <b>Ambient conditions:</b>                                                |                   |
| <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               |
| <b>Installation/ mounting/ dimensions:</b>                                |                   |
| <b>Mounting type</b>                                                      | front mounting    |
| <b>Shape of the installation opening</b>                                  | round             |
| <b>Mounting diameter</b>                                                  | 22 mm             |
| <b>Certificates/approvals</b>                                             |                   |

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



CSA



UL



VDE



EG-Konf.

[spezielle Prüfbescheinigungen](#)

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



ABS



DNV



LRS



PRS



RINA

[Umweltbestätigung](#)

| other |
|-------|
|-------|

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[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=3SB35001BA20>

### Cax online generator

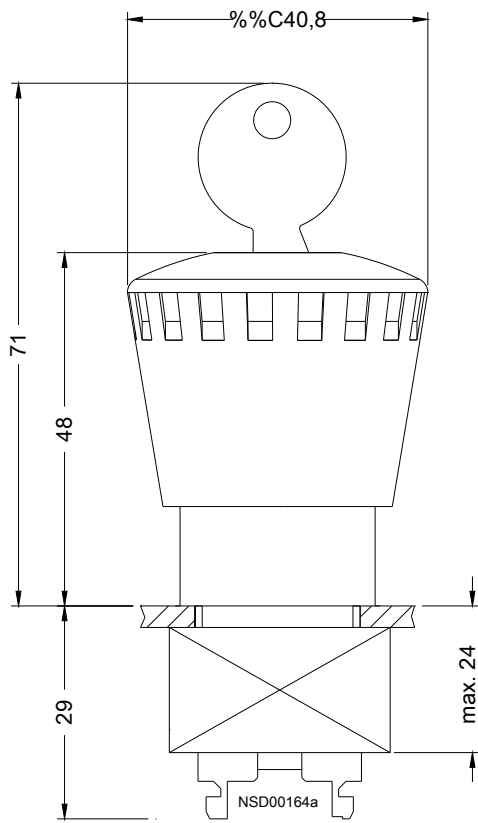
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB35001BA20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB35001BA20>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SB35001BA20&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB35001BA20&lang=en)



last modified:

19.03.2016