



22MM PLASTIC ROUND COMPLETE UNIT
 COMBINATION: EMERGEN.-STOP MUSHR.PUSHB. 40MM
 LATCHING W.PULL-TO-UNLOCK MECH. WITH YELLOW
 BACKING PLATE SCREW TERMINAL,
 1NC WITH HOLDER RED INSCRIPTION: EMERGENCY
 STOP

Actuator:

| | | |
|---|--|---|
| Design of the product | | Complete unit round with positive latching in accordance with ISO 13850 |
| Design of the operating mechanism | | Emergency stop mushroom pushbutton |
| Functionality / of the actuator | | Latching |
| Type of unlocking device | | pull-to-unlatch mechanism |
| Color / of the activation element | | Red |
| Material / of the activation element | | plastic |
| Number of switching positions | | 2 |
| Product component / front ring | | No |
| Product function / EMERGENCY STOP function | | Yes |

Holder:

| | | |
|---------------------------------|--|---------|
| Material / of the holder | | Plastic |
|---------------------------------|--|---------|

Contact block/ lampholder:

| | | |
|---|--|----------------------|
| Design of the electrical connection | | screw-type terminals |
| Number of switching elements | | 1 |
| Number of NC contacts / for auxiliary contacts | | 1 |
| Number of NO contacts / for auxiliary contacts | | 0 |
| Number of changeover contacts / for auxiliary contacts | | 0 |

| | | |
|---|--|-----|
| Product function / positive opening | | Yes |
| Number of lampholders | | 0 |
| Product component / fluorescent materials | | No |
| Product extension / optional / fluorescent materials | | No |

Accessories:

| | | |
|--|--|--|
| Marking / of backing plate | | Yellow backing plate, inscription "EMERGENCY STOP" |
| Product component / holder for 3 switching elements | | No |

General technical data:

| | | |
|---|---|--------|
| Voltage type / of operating voltage | | AC/DC |
| Operating voltage / rated value | | |
| • minimum | V | 5 |
| • maximum | V | 400 |
| Operating current | | |
| • at AC-12 | | |
| • at 24 V / rated value | A | 10 |
| • at 48 V / rated value | A | 10 |
| • at 110 V / rated value | A | 10 |
| • at 230 V / rated value | A | 10 |
| • at 400 V / rated value | A | 10 |
| • at AC-15 | | |
| • at 24 V / rated value | A | 6 |
| • at 48 V / rated value | A | 6 |
| • at 110 V / rated value | A | 6 |
| • at 230 V / rated value | A | 6 |
| • at 400 V / rated value | A | 3 |
| • at DC-12 | | |
| • at 24 V / rated value | A | 10 |
| • at 48 V / rated value | A | 5 |
| • at 110 V / rated value | A | 2.5 |
| • at 230 V / rated value | A | 1 |
| • at DC-13 | | |
| • at 24 V / rated value | A | 3 |
| • at 48 V / rated value | A | 1.5 |
| • at 110 V / rated value | A | 0.7 |
| • at 230 V / rated value | A | 0.3 |
| Resistance against shock | | |
| • for devices without incandescent lamp / according to IEC 60068-2-27 | | <= 50g |

| | | |
|--|-----|-------------------|
| Resistance against vibration / according to IEC 60068-2-6 | | 20 ... 200 Hz: 5g |
| Operating cycles / maximum | 1/h | 1,000 |
| Mechanical operating cycles as operating time / typical | | 300,000 |
| Reference code | | |
| • according to DIN EN 61346-2 | | S |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 | | S |
| Tightening torque / of the screws in the bracket / maximum | N-m | 1 |
| Ambient temperature | | |
| • during operating | °C | -25 ... +70 |
| • during storage | °C | -40 ... +80 |
| Protection class IP | | IP66 |
| B10 value / with high demand rate / according to SN 31920 | | 30,000 |
| Proportion of dangerous failures | | |
| • with high demand rate / according to SN 31920 | % | 20 |
| • with low demand rate / according to SN 31920 | % | 20 |
| Failure rate [FIT] / with low demand rate / according to SN 31920 | FIT | 100 |
| T1 value / for proof test interval or service life / according to IEC 61508 | a | 20 |
| climatic class / during the operating phase / according to EN 60721 | | 3K6 |
| Mounting type | | front mounting |
| Shape / of the installation hole | | round |
| Installation width | mm | 40.5 |
| Mounting diameter | mm | 22 |
| Mounting height | mm | 49 |
| Mounting depth | mm | 49 |

Certificates/ approvals:

General Product Approval



EG-Konf.

Test Certificates

[Special Test Certificate](#)

Shipping Approval



ABS



DNV



LRS



PRS



RINA

other

[Confirmation](#)

[other](#)

[Environmental Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator

<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SB3203-1TR20/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SB3203-1TR20

last change:

Jul 7, 2014