



22MM PLASTIC ROUND COMPLETE UNIT  
 COMBINATION: ILLUMINATED PUSHBUTTON  
 MOMENTARY CONTACT TYPE WITH FLAT BUTTON  
 ILLUMINATED WITH INTEGRATED LED 230V AC SPRING-  
 LOADED TERMINAL,  
 1NO+1NC WITH HOLDER RED

| Actuator / signaling device:               |                        |
|--|------------------------|
| Design of the product                      | Complete unit, round   |
| Design of the operating mechanism          | Illuminated pushbutton |
| Type of unlocking device                   | without                |
| Color / of the activation element          | Red                    |
| Material / of the activation element       | plastic                |
| Shape / of the activation element          | Flat pushbutton        |
| Number of switching positions              | 2                      |
| Product component / front ring             | Yes                    |
| Material / of the front ring               | plastic                |
| Color / of the front ring                  | black                  |
| Design of the front ring                   | Standard               |
| Product function / EMERGENCY STOP function | No                     |

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

| Contact block / lampholder                     |                         |
|--|-------------------------|
| Design of the electrical connection            | spring-loaded terminals |
| Number of switching elements                   | 1                       |
| Number of NC contacts / for auxiliary contacts | 1                       |

|  |  |                |
|--|--|----------------|
| <b>Number of NO contacts / for auxiliary contacts</b>          |  | 1              |
| <b>Number of change-over switches / for auxiliary contacts</b> |  | 0              |
| <b>Product function / positive opening</b>                     |  | Yes            |
| <b>Number of lampholders</b>                                   |  | 1              |
| <b>Execution of the mounting</b>                               |  | integrated LED |
| <b>Product component / fluorescent materials</b>               |  | Yes            |
| <b>Product extension / optional / fluorescent materials</b>    |  | Yes            |

#### Accessories:

|  |  |     |
|--|--|-----|
| <b>Product component / holder for 3 switching elements</b> |  | Yes |
|--|--|-----|

#### General technical details:

|  |   |     |
|--|---|-----|
| <b>Type of voltage / of the supply voltage / of the fluorescent material</b> |   | AC  |
| • of the fluorescent material / at 60 Hz / for AC / rated value              | V | 230 |
| • of the fluorescent material / at 50 Hz / for AC / rated value              | V | 230 |
| <b>Type of voltage / of the operating voltage</b>                            |   | AC  |
| <b>Operating voltage / rated value</b>                                       |   |     |
| • minimum  | V | 190 |
| • maximum  | V | 265 |
| <b>Operating current</b>   |   |     |
| • 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 |

|   |     |                                  |
|---|-----|----------------------------------|
| <ul style="list-style-type: none"> <li>• at 110 V / rated value</li> <li>• at 230 V / rated value</li> </ul>  | A   | 0.7                              |
|   | A   | 0.3                              |
| <b>Resistance against shock</b>   |     |                                  |
| <ul style="list-style-type: none"> <li>• for devices without incandescent lamp / according to IEC 60068-2-27</li> </ul>   |     | <= 50g                           |
| <b>Resistance against vibration / according to IEC 60068-2-6</b>  |     | 20 ... 200 Hz: 5g                |
| <b>Operating cycles / maximum</b>   | 1/h | 1,000                            |
| <b>Mechanical operating cycles as operating time / typical</b>  |     | 3,000,000                        |
| <b>Item designation</b>   |     |                                  |
| <ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> <li>• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> </ul> |     | S<br>S                           |
| <b>Tightening torque / of the screws in the bracket / maximum</b>   | N·m | 1                                |
| <b>Ambient temperature</b>  |     |                                  |
| <ul style="list-style-type: none"> <li>• during operating</li> <li>• during storage</li> </ul>  | °C  | -25 ... +70<br>°C<br>-40 ... +80 |
| <b>Protection class IP</b>  |     | IP66                             |
| <b>climatic class / during the operating phase / according to EN 60721</b>  |     | 3K6                              |
| <b>Type of mounting</b>   |     | front mounting                   |
| <b>Shape / of the installation hole</b>   |     | round                            |
| <b>Installation width</b>   | mm  | 28.5                             |
| <b>Mounting diameter</b>  | mm  | 22                               |
| <b>Mounting height</b>  | mm  | 8                                |
| <b>Mounting depth</b>   | mm  | 63                               |

#### Certificates/approvals:

##### General Product Approval



CSA



GOST



UL



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>

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**Industry Mall (Online ordering system)**

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

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**Cax online generator:**

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

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

<http://support.automation.siemens.com/WW/view/en/3SB3255-0AA21-0CC0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SB3255-0AA21-0CC0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SB3255-0AA21-0CC0)

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**last change:**

Jan 21, 2013