



22MM PLASTIC ROUND COMPLETE UNIT  
COMBINATION: ILLUMINATED PUSHBUTTON WITH FLAT  
BUTTON ILLUMINATED WITH LAMP HOLDER BA 9S  
WITH LAMP 130V AC/DC SCREW TERMINAL,  
1NC OPERATIONAL VOLTAGE 230/240V AC WITH  
HOLDER RED

### Actuator:

|                                            |                        |
|--------------------------------------------|------------------------|
| Design of the product                      | Complete unit round    |
| Design of the operating mechanism          | Illuminated pushbutton |
| Functionality / of the actuator            | Momentary contact type |
| 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 | 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                                  |  | 1                |
| Execution of the mounting                              |  | BA 9s, with lamp |
| Product component / fluorescent materials              |  | Yes              |
| Product extension / optional / fluorescent materials   |  | Yes              |

#### Accessories:

Product component / holder for 3 switching elements

Yes

#### General technical data:

|                                                           |   |       |
|-----------------------------------------------------------|---|-------|
| Type of voltage / of the supply voltage / of light source |   | AC    |
| Supply voltage / 1 / of the fluorescent material          |   |       |
| • at 60 Hz / for AC / rated value                         | V | 230   |
| • at 50 Hz / for AC / rated value                         | V | 230   |
| 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                                                |   |       |

|                                                                                                                                                                                |          |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------|
| <ul style="list-style-type: none"> <li>• at 24 V / rated value</li> <li>• at 48 V / rated value</li> <li>• at 110 V / rated value</li> <li>• at 230 V / rated value</li> </ul> | A        | 3                          |
|                                                                                                                                                                                | A        | 1.5                        |
|                                                                                                                                                                                | A        | 0.7                        |
|                                                                                                                                                                                | A        | 0.3                        |
| <b>Resistance against shock</b>                                                                                                                                                |          |                            |
| <ul style="list-style-type: none"> <li>• for devices with incandescent lamp / according to IEC 60068-2-27</li> </ul>                                                           |          | <= 30g                     |
| <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>Reference code</b>                                                                                                                                                          |          |                            |
| <ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> <li>• according to DIN 40719 extended according to 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<br>°C | -25 ... +60<br>-40 ... +80 |
| <b>Protection class IP</b>                                                                                                                                                     |          | IP66                       |
| <b>climatic class / during the operating phase / according to EN 60721</b>                                                                                                     |          | 3K6                        |
| <b>Mounting type</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       | 49                         |

#### Certificates/ approvals:

##### General Product Approval



[Special Test Certificate](#)

EG-Konf.

##### Shipping Approval



##### 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

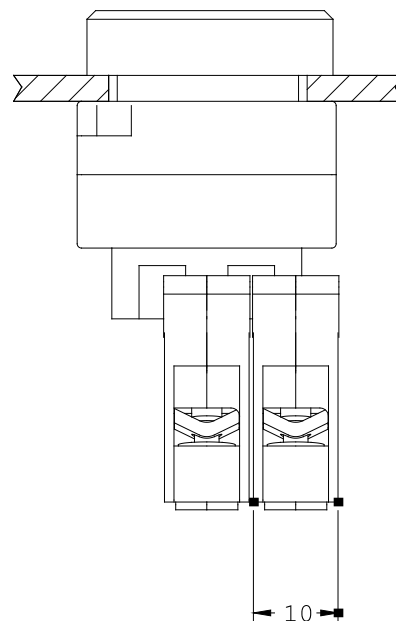
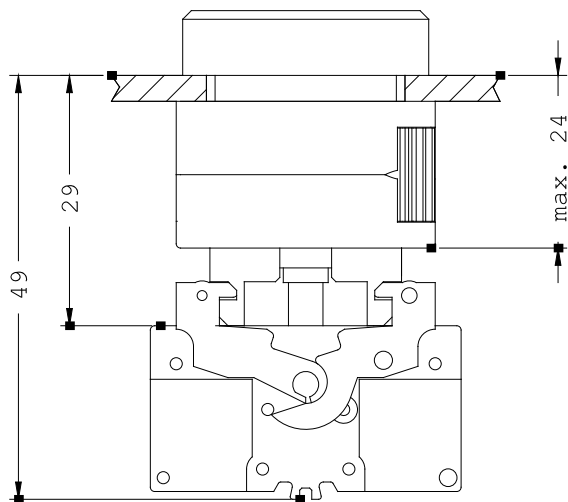
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SB3216-0AA21/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SB3216-0AA21](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SB3216-0AA21)



last change:

Jul 7, 2014