



22MM PLASTIC ROUND COMPLETE UNIT  
COMBINATION: ILLUMINATED PUSHBUTTON WITH FLAT  
BUTTON NON-ILLUMINATED WITH LAMP HOLDER BA 9S  
WITHOUT LAMP SCREW TERMINAL,  
1NO+1NC 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         |  | 1                   |
| Number of changeover contacts / for auxiliary contacts |  | 0                   |
| Product function / positive opening                    |  | Yes                 |
| Number of lampholders                                  |  | 1                   |
| Execution of the mounting                              |  | BA 9s, without lamp |
| Product component / fluorescent materials              |  | No                  |
| Product extension / optional / fluorescent materials   |  | Yes                 |

#### Accessories:

Product component / holder for 3 switching elements

Yes

#### 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   |

|                                                                                 |     |                   |
|---------------------------------------------------------------------------------|-----|-------------------|
| <b>Resistance against shock</b>                                                 |     |                   |
| • for devices with incandescent lamp / according to IEC 60068-2-27              |     | <= 30g            |
| • for devices without incandescent lamp / according to IEC 60068-2-27           |     | <= 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>Reference code</b>                                                           |     |                   |
| • according to DIN EN 61346-2                                                   |     | S                 |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |     | S                 |
| <b>Tightening torque / of the screws in the bracket / maximum</b>               | N·m | 1                 |
| <b>Ambient temperature</b>                                                      |     |                   |
| • during operating                                                              | °C  | -25 ... +60       |
| • during storage                                                                | °C  | -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  | 63                |

#### Certificates/ approvals:

##### General Product Approval



[Special Test Certificate](#)

##### Declaration of Conformity

##### Test Certificates

#### Shipping Approval



#### 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>

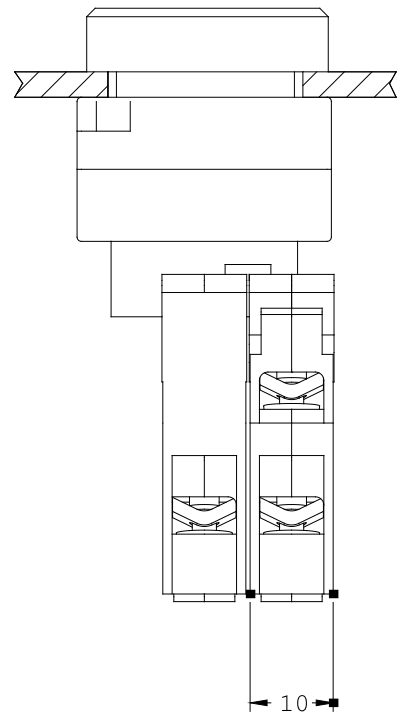
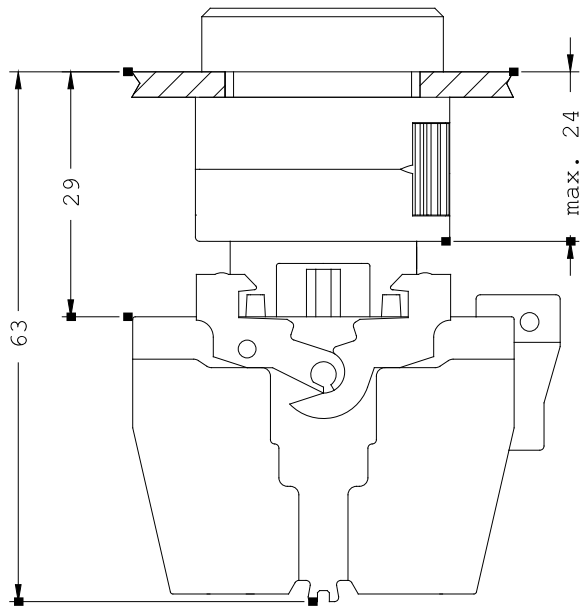
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**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<http://support.automation.siemens.com/WW/view/en/3SB3205-0AA21/all>

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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=3SB3205-0AA21](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SB3205-0AA21)

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**last change:**

Jun 16, 2014