

22MM METAL ROUND COMPLETE UNIT COMBINATION:  
ILLUMINATED PUSHBUTTON MOMENTARY CONTACT TYPE  
WITH FLAT BUTTON NON-ILLUMINATED WITH LAMP HOLDER  
BA 9S WITHOUT LAMP SPRING-LOADED TERMINAL, 1NO WITH  
HOLDER YELLOW

|                       |                     |
|-----------------------|---------------------|
| Design of the product | Complete unit round |
|-----------------------|---------------------|

### Enclosure:

|                              |       |
|------------------------------|-------|
| Shape of the enclosure front | round |
| Material of the enclosure    | metal |
| Number of command points     | 1     |

### Actuator:

|                                             |                        |
|---------------------------------------------|------------------------|
| Design of the operating mechanism           | Illuminated pushbutton |
| Manner of function of the actuating element | Momentary contact type |
| Product extension optional Light source     | Yes                    |
| Color                                       |                        |
| • of the actuating element                  | Yellow                 |
| Material of the actuating element           | plastic                |
| Shape of the actuating element              | Flat pushbutton        |
| Type of unlocking device                    | without                |
| Number of switching positions               | 2                      |

### Front ring:

|                              |          |
|------------------------------|----------|
| Product component front ring | Yes      |
| Design of the front ring     | Standard |
| Material of the front ring   | metal    |
| Color of the front ring      | silver   |

### Holder:

|                        |       |
|------------------------|-------|
| Material of the holder | Metal |
|------------------------|-------|

### Contact block/ lampholder:

|                              |                    |
|------------------------------|--------------------|
| Mounting type                | BA 9s without lamp |
| Number of lampholders        | 1                  |
| Number of switching elements | 1                  |

### General technical data:

|                    |    |
|--------------------|----|
| Product function   |    |
| • positive opening | No |
| Product component  |    |
| • Light source     | No |
| Type of voltage    |    |

|                                                                     |                   |
|---------------------------------------------------------------------|-------------------|
| • of the operating voltage                                          | AC/DC             |
| <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                                                           | 3 000 000         |
| <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>Operating voltage</b>                                            |                   |
| • rated value                                                       | 5 ... 400 V       |

#### Auxiliary circuit:

|                                   |       |
|-----------------------------------|-------|
| <b>Number of NC contacts</b>      |       |
| • for auxiliary contacts          | 0     |
| <b>Number of NO contacts</b>      |       |
| • for auxiliary contacts          | 1     |
| <b>Number of CO contacts</b>      |       |
| • for auxiliary contacts          | 0     |
| <b>Operating current at AC-12</b> |       |
| • at 24 V rated value             | 10 A  |
| • at 48 V rated value             | 10 A  |
| • at 110 V rated value            | 10 A  |
| • at 230 V rated value            | 10 A  |
| • at 400 V rated value            | 10 A  |
| <b>Operating current at AC-15</b> |       |
| • at 24 V rated value             | 6 A   |
| • at 48 V rated value             | 6 A   |
| • at 110 V rated value            | 6 A   |
| • at 230 V rated value            | 6 A   |
| • at 400 V rated value            | 3 A   |
| <b>Operating current at DC-12</b> |       |
| • at 24 V rated value             | 10 A  |
| • at 48 V rated value             | 5 A   |
| • at 110 V rated value            | 2.5 A |
| • at 230 V rated value            | 1 A   |
| <b>Operating current at DC-13</b> |       |
| • at 24 V rated value             | 3 A   |
| • at 48 V rated value             | 1.5 A |
| • at 110 V rated value            | 0.7 A |

- at 230 V rated value

0.3 A

#### Connections/ Terminals:

|                                                |                         |
|------------------------------------------------|-------------------------|
| Type of electrical connection                  | spring-loaded terminals |
| Tightening torque of the screws in the bracket | 1.4 ... 1.6 N·m         |

#### Ambient conditions:

|                                                           |                |
|-----------------------------------------------------------|----------------|
| Ambient temperature                                       |                |
| • during operation                                        | -25 ... +60 °C |
| • during storage                                          | -40 ... +80 °C |
| Environmental category during operation acc. to IEC 60721 | 3K6            |

#### Installation/ mounting/ dimensions:

|                                   |                |
|-----------------------------------|----------------|
| Mounting type                     | front mounting |
| Shape of the installation opening | round          |
| Mounting diameter                 | 22 mm          |
| Mounting height                   | 12 mm          |
| Installation width                | 28.5 mm        |
| Installation depth                | 50 mm          |

#### Accessories:

|                                                   |     |
|---------------------------------------------------|-----|
| Product component holder for 3 switching elements | Yes |
|---------------------------------------------------|-----|

#### Certificates/approvals

| General Product Approval                                                                   | Declaration of Conformity                                                                  | Test Certificates                                                                                 |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <br>CCC | <br>EAC | <br>EG-Konf. |
| <br>CSA | <br>UL  | <a href="#">spezielle Prüfbescheinigungen</a>                                                     |

| Shipping Approval                                                                          | other                                                                                         |
|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <br>ABS | <br>RINA |
| <br>DNV | <br>PRS    |
| <br>LRS | <a href="#">Bestätigungen</a>                                                                 |

| other                             |
|-----------------------------------|
| <a href="#">Umweltbestätigung</a> |
| <a href="#">sonstig</a>           |

#### 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=3SB3606-0AA31-0CC0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB3606-0AA31-0CC0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB3606-0AA31-0CC0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SB3606-0AA31-0CC0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB3606-0AA31-0CC0&lang=en)

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