

### Environment

|   |                                     |     |  |
|---|-------------------------------------|-----|--|
| <b>Protective treatment</b>                           | Standard version                    |     | "TH"   |
| <b>Ambient air temperature</b><br>around the device   | Storage                             | °C  | - 40...+ 70  |
|   | Operation                           | °C  | - 25...+ 70 for LED and neon bulb versions<br>- 25...+ 40 for incandescent bulb version  |
| <b>Electric shock protection</b>                      | Conforming to IEC 60536             |     | Class II   |
| <b>Degree of protection</b>                           | Conforming to IEC 60529             |     | IP 54 front face<br>IP 20 rear face (protection against direct contact)  |
|   | Conforming to NEMA                  |     | NEMA type 12   |
| <b>Mounting</b>                                       | Conforming to IEC/EN 60947-5-1      |     | Finished fixing hole: 22.5 mm recommended (22.3 +0.4/ 0)<br>Fixing centres: 30 x 40 mm min. (unless otherwise indicated)<br>Mounting panel thickness: metal: 1 to 6 mm, double insulated: 2 to 6 mm<br>Recommended tightening torque of fixing nut: 2 N.m. max.: 3 N.m |
| <b>Cabling capacity</b>                               | Conforming to EN60947-1             |     | Screw clamp terminal connections:<br>□ min.: 1 x 0.34 mm <sup>2</sup> without cable end<br>□ max.: 2 x 1.5 mm <sup>2</sup> with cable end  |
|   |                                     |     | Forked "U" tag connectors: 2 max., fitted head to tail<br>Fork width 6 to 7.5 mm for M3.5 screw  |
|   |                                     |     | Faston connectors: type 6.35 x 0.8 mm  |
|   |                                     |     |  |
| <b>Screw clamp tightening torque</b>                  |                                     | N.m | 0.8 (nominal recommended)<br>1.2 (max)   |
|   |                                     |     | Screw heads compatible with Pozidriv or Phillips or JIS screwdrivers (size 1) and flat screwdrivers (4 and 5.5 mm)   |
| <b>Mechanical durability</b><br>(in operating cycles) |                                     |     | Pushbuttons: 1 000 000<br>Illuminated pushbuttons, spring return: 300 000<br>Illuminated pushbuttons, push-push: 300 000<br>Selector switches: 300 000<br>Key switches: 300 000<br>Emergency stop pushbuttons: 10 000  |
| <b>Vibration resistance</b>                           | Conforming to IEC 60068-2-6         |     | 5 gn (frequency 2 at 500 Hz)   |
| <b>Electric shock resistance</b>                      | Conforming to IEC 60068-2-27        |     | 50 gn (half sine wave for 11 ms)<br>Emergency stop: 10 gn (half sine wave for 11 ms)   |
| <b>Conforming to standards</b>                        | Generic standards                   |     | IEC/EN 60947-1, IEC/EN 60947-5-1, IEC/EN 60947-5-5<br>UL 508, CSA C22 n°14, JIS C 4520 (pending)   |
| <b>Terminal referencing</b>                           | Conforming to EN 50005 and EN 50013 |     | Conforming   |

### Contact block characteristics

|  |   |    |  |
|--|---|----|--|
| <b>Type of contact</b>   | N/C or N/O or C/O                               |    | Slow break   |
| <b>Positive operation</b>  | Conforming to IEC/EN 60947-5-1 appendix K       |    | All functions incorporating an N/C contact have positive opening operation |
| <b>Short-circuit protection</b>  | Conforming to IEC/EN 60947-5-1                  | A  | 4 (gG cartridge fuse conforming to IEC 269-1)                              |
| <b>Rated insulation voltage</b>  | Conforming to IEC/EN 60947-1                    | V  | Ui = 250 (degree of pollution 3)   |
| <b>Rated impulse withstand voltage</b>                                       | Conforming to IEC/EN 60947-1                    | kV | Uimp = 6   |
| <b>Rated operational characteristics</b><br>(conforming to IEC/EN 60947-5-1) | a.c. supply:<br>utilisation category AC14, D300 |    | Ue = 240 V and Ie = 0.3 A or Ue = 120 V and Ie = 0.6 A                     |
| <b>Electrical reliability</b>  | Failure rate conforming to IEC 60947-5-4        |    | At 17 V and 5 mA: $\lambda \leq 10^{-6}$                                   |

### Single light block characteristics

| Type of bulb                     |   | LED | Incandescent<br>(all models)  | Neon<br>(direct)  |
|----------------------------------|---|-----|---|---|
| <b>Voltage limits</b>            | For rated voltage                                       | V   | 24 V $\approx$ : 19.2...30 $\approx$ ;<br>21.6...26.4 $\approx$<br>120 V $\approx$ : 100...132 $\approx$<br>230-240 V $\approx$ : 195...264 $\approx$ | 120 V $\approx$ : 100...132 $\approx$<br>230 V $\approx$ : 195...264 $\approx$<br>Direct supply model:<br>230 V $\approx$ : 195...264 $\approx$ |
| <b>Current consumption</b>       | Applicable to all colours                               | mA  | 18<br>(all types, all voltages)   | Depending on bulb   |
| <b>Service life</b>              | At rated voltage and at an ambient temperature of 25 °C | H   | 80 000  | 2 000<br>50 000   |
| <b>Electromagnetic emissions</b> | Conforming to IEC 55011                                 |     | Class B   |   |

## Control and signalling units Ø 22

Harmony® XB7

Monolithic pushbuttons, switches and pilot lights



XB7 EA01P

## Pushbuttons

| Shape of head                     | Type of push | Type of contact |     |     | Marking |        | Colour of push | Sold in lots of | Unit reference | Weight kg   |       |
|-----------------------------------|--------------|-----------------|-----|-----|---------|--------|----------------|-----------------|----------------|-------------|-------|
|                                   |              | N/O             | N/C | C/O | Text    | Colour |                |                 |                |             |       |
| <b>Pushbuttons, spring return</b> |              |                 |     |     |         |        |                |                 |                |             |       |
|                                   | Flush        | 1               | -   | -   | -       | -      | Black          | 10              | XB7 EA21P (1)  | 0.020       |       |
|                                   |              |                 |     |     | -       | -      | Green          | 10              | XB7 EA31P (1)  | 0.020       |       |
|                                   |              |                 |     |     | -       | -      | Yellow         | 10              | XB7 EA51P (1)  | 0.020       |       |
|                                   |              | -               | 1   | -   | -       | -      | Red            | 10              | XB7 EA42P (1)  | 0.020       |       |
|                                   |              | -               | -   | 1   | -       | -      | Black          | 10              | XB7 EA25P      | 0.020       |       |
|                                   |              | -               | -   | 1   | -       | -      | Green          | 10              | XB7 EA35P      | 0.020       |       |
|                                   | -            | -               | 1   | -   | -       | Red    | 10             | XB7 EA45P       | 0.020          |             |       |
|                                   | -            | 2               | -   | -   | -       | Black  | 10             | XB7 EA23P       | 0.020          |             |       |
|                                   | -            | 2               | -   | -   | -       | Green  | 10             | XB7 EA33P       | 0.020          |             |       |
|                                   |              | Flush           | 1   | -   | -       | I      | White          | Green           | 10             | XB7 EA3131P | 0.020 |
|                                   |              |                 | 2   | -   | -       |        |                |                 | 10             | XB7 EA3331P | 0.020 |
|                                   |              | Projecting      | -   | 1   | -       | O      | White          | Red             | 10             | XB7 EL4232P | 0.020 |
| -                                 |              |                 | -   | 1   |         |        |                | 10              | XB7 EL4532P    | 0.020       |       |
|                                   | Flush        | 1               | -   | -   | ↑       | Black  | White          | 10              | XB7 EA11341P   | 0.020       |       |
|                                   |              | -               | -   | 1   |         |        |                | 10              | XB7 EA15341P   | 0.020       |       |
|                                   | Flush        | 1               | -   | -   | ↑       | White  | Black          | 10              | XB7 EA21341P   | 0.020       |       |
|                                   |              | -               | -   | 1   |         |        |                | 10              | XB7 EA25341P   | 0.020       |       |

## Pushbuttons, push-push

|  |       |   |   |   |   |   |       |    |           |       |
|--|-------|---|---|---|---|---|-------|----|-----------|-------|
|  | Flush | 1 | - | - | - | - | Black | 10 | XB7 EH21P | 0.020 |
|  |       |   |   |   | - | - | Green | 10 | XB7 EH31P | 0.020 |
|  |       | - | - | 1 | - | - | Black | 10 | XB7 EH25P | 0.020 |
|  |       | - | - | 1 | - | - | Green | 10 | XB7 EH35P | 0.020 |

## Selector switches

| Shape of head | Type of operator          | Type of contact |     |     | Number and type of positions (2)    | Sold in lots of | Unit reference | Weight kg |
|---------------|---------------------------|-----------------|-----|-----|-------------------------------------|-----------------|----------------|-----------|
|               |                           | N/O             | N/C | C/O |                                     |                 |                |           |
|               | Standard handle, black    | 1               | -   | -   | 2 - stay put                        | 10              | XB7 ED21P (1)  | 0.025     |
|               |                           | 1               | 1   | -   | 2 - stay put                        | 10              | XB7 ED25P      | 0.025     |
|               |                           | 2               | -   | -   | 3 - stay put                        | 10              | XB7 ED33P      | 0.025     |
|               | Key switches (key n° 455) | 1               | -   | -   | 2 - withdrawal from LH position     | 10              | XB7 EG21P      | 0.049     |
|               |                           | 2               | -   | -   | 3 - withdrawal from centre position | 10              | XB7 EG33P      | 0.049     |

## Emergency stop mushroom head pushbuttons, Ø 40

| Shape of head | Type of push                 | Type of contact |     |     | Colour of push | Sold in lots of | Unit reference | Weight kg |
|---------------|------------------------------|-----------------|-----|-----|----------------|-----------------|----------------|-----------|
|               |                              | N/O             | N/C | C/O |                |                 |                |           |
|               | Turn to release              | -               | 1   | -   | Red            | 10              | XB7 ES542P     | 0.032     |
|               |                              | 1               | 1   | -   | Red            | 10              | XB7 ES545P     | 0.035     |
|               | Turn to release (key n° 455) | -               | 1   | -   | Red            | 10              | XB7 ES142P     | 0.055     |
|               |                              | 1               | 1   | -   | Red            | 10              | XB7 ES145P     | 0.058     |

(1) For version with Faston connectors (1 x 6.35 mm and 2 x 2.8 mm), add suffix "3" to the above references.  
Example: **XB7 EA21P3**.

(2) The symbol "⌄" indicates the key withdrawal position.



XB7 ED21P



XB7 EG33P








XB7 ES542P

## Control and signalling units Ø 22

Harmony® XB7

Monolithic pushbuttons, switches and pilot lights


| Pilot lights with integral LED ("true" colours)  |   |   |   |   |   |                         |                    |                       |                    |                    |                    |              |
|--|---|---|---|---|---|-------------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------|
| Shape of head  |   | Supply voltage<br>V   |   | Colour<br>of lens   | Sold in<br>lots of  | Unit<br>reference       | Weight<br>kg       |                       |                    |                    |                    |              |
| <br>XB7 EV0●●P<br> |  | ~ 24  |   | White   | 10  | <b>XB7 EV01BP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Green   | 10  | <b>XB7 EV03BP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Red   | 10  | <b>XB7 EV04BP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Yellow  | 10  | <b>XB7 EV05BP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Blue  | 10  | <b>XB7 EV06BP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Orange  | 10  | <b>XB7 EV08BP</b> (1) ▲ | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | ~ 120<br>50-60 Hz   |   | White                   | 10                 | <b>XB7 EV01GP</b> (1) | 0.020              |                    |                    |              |
|  |   |   |   |   |   | Green                   | 10                 | <b>XB7 EV03GP</b> (1) | 0.020              |                    |                    |              |
|  |   | Red   | 10  |   |   | <b>XB7 EV04GP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   | Yellow  | 10  |   |   | <b>XB7 EV05GP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   | Blue  | 10  |   |   | <b>XB7 EV06GP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   | Orange  | 10  |   |   | <b>XB7 EV08GP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   | ~ 230<br>50-60 Hz   |   |   |   | White                   | 10                 | <b>XB7 EV01MP</b> (1) | 0.020              |                    |                    |              |
|  |   |   |   |   |   | Green                   | 10                 | <b>XB7 EV03MP</b> (1) | 0.020              |                    |                    |              |
|  |   |   |   | Red   | 10  | <b>XB7 EV04MP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Yellow  | 10  | <b>XB7 EV05MP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Blue  | 10  | <b>XB7 EV06MP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Orange  | 10  | <b>XB7 EV08MP</b> (1)   | 0.020              |                       |                    |                    |                    |              |
|  |   |   |   | Illuminated pushbuttons with integral LED ("true" colours)  |   |                         |                    |                       |                    |                    |                    |              |
|  |   |   |   | Shape of head   | Type<br>of push   | Supply voltage<br>V     | Type of contact    |                       | Colour<br>of lens  | Sold in<br>lots of | Unit<br>reference  | Weight<br>kg |
|  |   |   |   |   | N/O   | N/C                     |                    |                       |                    |                    |                    |              |
|  |   | Illuminated pushbuttons, spring return  |   |   |   |                         |                    |                       |                    |                    |                    |              |
|  |   | <br>XB7 EW3●●1P<br> |  | ~ 24  | Projecting  | 1                       | -                  | Green                 | 10                 | <b>XB7 EW33B1P</b> | 0.022              |              |
|  |   |   |   |   |   |                         |                    | Red                   | 10                 | <b>XB7 EW34B1P</b> | 0.022              |              |
| Yellow   | 10  |   |   |   |   |                         |                    | <b>XB7 EW35B1P</b>    | 0.022              |                    |                    |              |
| -  | 1   |   |   |   |   |                         |                    | Red                   | 10                 | <b>XB7 EW34B2P</b> | 0.022              |              |
| ~ 230  | 1   |   |   |   |   |                         |                    | -                     | Green              | 10                 | <b>XB7 EW33M1P</b> | 0.022        |
|  |   |   |   |   |   |                         |                    |                       | Red                | 10                 | <b>XB7 EW34M1P</b> | 0.022        |
|  |   |   |   | Yellow  | 10  | <b>XB7 EW35M1P</b>      | 0.022              |                       |                    |                    |                    |              |
|  |   |   |   | -   | 1   | Red                     | 10                 |                       | <b>XB7 EW34M2P</b> | 0.022              |                    |              |
|  |   |   |   | Illuminated pushbuttons, push-push  |   |                         |                    |                       |                    |                    |                    |              |
|  |   |   |   | <br>XB7 EH0●●1P<br> |  | ~ 24                    | Projecting         |                       | 1                  | -                  | Green              | 10           |
| Red  | 10  |   |   |   |   |                         |                    | <b>XB7 EH04B1P</b>    |                    |                    | 0.022              |              |
| Yellow   | 10  |   |   |   |   |                         |                    | <b>XB7 EH05B1P</b>    |                    |                    | 0.022              |              |
| -  | 1   | Red   | 10  |   |   |                         |                    | <b>XB7 EH04B2P</b>    |                    |                    | 0.022              |              |
| ~ 230  | 1   | -   | Green   |   |   |                         |                    | 10                    |                    |                    | <b>XB7 EH03M1P</b> | 0.022        |
|  |   |   | Red   |   |   |                         |                    | 10                    |                    |                    | <b>XB7 EH04M1P</b> | 0.022        |
|  |   |   | Yellow  |   |   | 10                      | <b>XB7 EH05M1P</b> | 0.022                 |                    |                    |                    |              |
|  |   |   | -   |   |   | 1                       | Red                | 10                    | <b>XB7 EH04M2P</b> | 0.022              |                    |              |

(1) For version with Faston connectors (1 x 6.35 mm and 2 x 2.8 mm), add suffix "3" to the above references.  
 Example: **XB7 EV61P3**.



XB7 EV66P

## Pilot lights with BA 9s base fitting

| Shape of head   | Supply   | Description   | Supply voltage V  | Colour of lens | Sold in lots of | Unit reference | Weight |
|---|--|---|-------------------|----------------|-----------------|----------------|--------|
|   |  |   |                   |                |                 |                | kg     |
|  | Direct (2)   | For incandescent bulb (not included) (2)<br>BA 9s base fitting          | ≤ 250             | White          | 10              | XB7 EV61P (1)  | 0.018  |
|   |  |   |                   | Green          | 10              | XB7 EV63P (1)  | 0.018  |
|   |  |   |                   | Red            | 10              | XB7 EV64P (1)  | 0.018  |
|   |  |   |                   | Yellow         | 10              | XB7 EV65P (1)  | 0.018  |
|   |  |   |                   | Blue           | 10              | XB7 EV66P (1)  | 0.018  |
|   |  |   |                   | Clear          | 10              | XB7 EV67P (1)  | 0.018  |
|   |  |   |                   | Orange         | 10              | XB7 EV68P (1)  | 0.018  |
|   |  |   |                   | White          | 10              | XB7 EV41P (1)  | 0.020  |
|   |  |   |                   | Green          | 10              | XB7 EV43P (1)  | 0.020  |
|   |  |   |                   | Red            | 10              | XB7 EV44P (1)  | 0.020  |
|   | Yellow   | 10  | XB7 EV45P (1)     | 0.020          |                 |                |        |
|   | Blue   | 10  | XB7 EV46P (1)     | 0.020          |                 |                |        |
|   | Clear  | 10  | XB7 EV47P (1)     | 0.020          |                 |                |        |
|   | Direct through resistor  | For incandescent bulb<br>130 V - 2.6 W (included)<br>BA 9s base fitting | ~ 230<br>50/60 Hz | White          | 10              | XB7 EV71P (1)  | 0.020  |
|   |  |   |                   | Green          | 10              | XB7 EV73P (1)  | 0.020  |
|   |  |   |                   | Red            | 10              | XB7 EV74P (1)  | 0.020  |
|   |  |   |                   | Yellow         | 10              | XB7 EV75P (1)  | 0.020  |
|   |  |   |                   | Blue           | 10              | XB7 EV76P (1)  | 0.020  |
|   |  | 130 V - 2.6 W bulb (not included)<br>BA 9s base fitting                 | ~ 230<br>50/60 Hz | White          | 10              | XB7 EV710P     | 0.020  |
|   |  |   |                   | Green          | 10              | XB7 EV730P     | 0.020  |
| Red   |  |   |                   | 10             | XB7 EV740P      | 0.020          |        |
| Yellow  |  |   |                   | 10             | XB7 EV750P      | 0.020          |        |
| Blue  |  |   |                   | 10             | XB7 EV760P      | 0.020          |        |
| Via integral transformer  | With incandescent bulb (6V - 1.2 W) (included)<br>BA 9s base fitting | ~ 120<br>50/60 Hz   | White             | 10             | XB7 EV821P      | 0.020          |        |
|   |  |   | Green             | 10             | XB7 EV823P      | 0.020          |        |
|   |  |   | Red               | 10             | XB7 EV824P      | 0.020          |        |
|   |  |   | Yellow            | 10             | XB7 EV825P      | 0.020          |        |
|   |  |   | Blue              | 10             | XB7 EV826P      | 0.020          |        |
|   |  | ~ 230<br>50/60 Hz   | Clear             | 10             | XB7 EV827P      | 0.020          |        |
|   |  |   | White             | 10             | XB7 EV81P       | 0.020          |        |
|   |  |   | Green             | 10             | XB7 EV83P       | 0.020          |        |
|   |  |   | Red               | 10             | XB7 EV84P       | 0.020          |        |
|   |  |   | Yellow            | 10             | XB7 EV85P       | 0.020          |        |
| Blue  | 10   | XB7 EV86P   | 0.020             |                |                 |                |        |
| Clear   | 10   | XB7 EV87P   | 0.020             |                |                 |                |        |

## Illuminated pushbuttons with BA 9s base fitting

| Type of push<br>Shape of head   | Supply   | Supply voltage V | Type of contact |     | Colour of lens | Sold in lots of | Unit reference | Weight |
|---|--|------------------|-----------------|-----|----------------|-----------------|----------------|--------|
|   |  |                  | N/O             | N/C |                |                 |                | kg     |
|  | Direct supply for BA 9s neon bulb (included)                 | ~ 230            | 1               | -   | Green          | 10              | XB7 EW3341P    | 0.022  |
|   |  |                  |                 |     | Red            | 10              | XB7 EW3441P    | 0.022  |
|   |  |                  |                 |     | Yellow         | 10              | XB7 EW3541P    | 0.022  |
|   | Direct supply for BA 9s incandescent bulb (not included) (2) | ≤ 250            | 1               | -   | Green          | 10              | XB7 EW3361P    | 0.020  |
|   |  |                  |                 |     | Red            | 10              | XB7 EW3461P    | 0.020  |
|   |  |                  |                 |     | Yellow         | 10              | XB7 EW3561P    | 0.020  |
|  | Direct supply for BA 9s neon bulb (included)                 | ~ 230            | 1               | -   | Green          | 10              | XB7 EH0341P    | 0.022  |
|   |  |                  |                 |     | Red            | 10              | XB7 EH0441P    | 0.022  |
|   |  |                  |                 |     | Yellow         | 10              | XB7 EH0541P    | 0.022  |
|   | Direct supply for BA 9s incandescent bulb (not included) (2) | ≤ 250            | 1               | -   | Green          | 10              | XB7 EH0361P    | 0.020  |
|   |  |                  |                 |     | Red            | 10              | XB7 EH0461P    | 0.020  |
|   |  |                  |                 |     | Yellow         | 10              | XB7 EH0561P    | 0.020  |



XB7 EW3341P

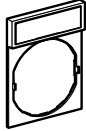


XB7 EH0341P

(1) For version with Faston connectors (1 x 6.35 mm and 2 x 2.8 mm), add suffix "3" to the above references.

Example: XB7 EV61P3.

(2) Bulb rating for direct supply pilot lights: 250 V max; 2.6 W max.



ZBY 2101

**30 x 40 mm legend holder with legend (black or red background)****With blank legend**

| Text    | Sold in lots of | Unit reference | Weight kg |
|---------|-----------------|----------------|-----------|
| Without | 10              | ZBY 2101       | 0.001     |

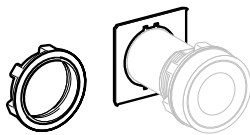
**With marked legend (sold singly)**

- Start functions: white letters on black background.
- Stop functions: white letters on red background.

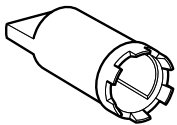
| Text     | Reference | Weight kg | Text    | Reference | Weight kg |
|----------|-----------|-----------|---------|-----------|-----------|
| Auto     | ZBY 2115  | 0.001     | Reset   | ZBY 2323  | 0.001     |
| Down     | ZBY 2308  | 0.001     | Reverse | ZBY 2306  | 0.001     |
| Forward  | ZBY 2305  | 0.001     | Right   | ZBY 2309  | 0.001     |
| Hand     | ZBY 2316  | 0.001     | Start   | ZBY 2303  | 0.001     |
| Inch     | ZBY 2321  | 0.001     | Stop    | ZBY 2304  | 0.001     |
| Left     | ZBY 2310  | 0.001     | Up      | ZBY 2307  | 0.001     |
| Off      | ZBY 2312  | 0.001     | O       | ZBY 2146  | 0.001     |
| On       | ZBY 2311  | 0.001     | I       | ZBY 2147  | 0.001     |
| Power on | ZBY 2326  | 0.001     | O-I     | ZBY 2178  | 0.001     |

**Accessories**

| Description                              | Colour | Sold in lots of | Unit reference | Weight kg |
|--|--------|-----------------|----------------|-----------|
| Anti-rotation plate                      | –      | 10              | ZB5 AZ902      | 0.008     |
| Fixing nut                               | –      | 10              | ZB5 AZ901      | 0.002     |
| Bezel tightening tool                    | –      | 1               | ZB5 AZ905      | 0.016     |
| Grooved lens caps for BA 9s pilot lights | White  | 10              | ZB7 EV01       | 0.002     |
|  | Green  | 10              | ZB7 EV03       | 0.002     |
|  | Red    | 10              | ZB7 EV04       | 0.002     |
|  | Yellow | 10              | ZB7 EV05       | 0.002     |
|  | Blue   | 10              | ZB7 EV06       | 0.002     |
|  | Clear  | 10              | ZB7 EV07       | 0.002     |
|  | Orange | 10              | ZB7 EV08       | 0.002     |



ZB5 AZ901 ZB5 AZ902



ZB5 AZ905

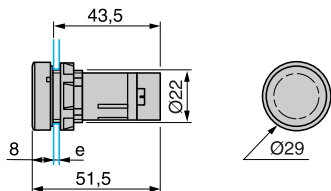
**Bulbs**

| Description   | Voltage V  | Power W | Colour       | Sold in lots of | Unit reference | Weight kg |
|---|------------|---------|--------------|-----------------|----------------|-----------|
| Incandescent bulbs, standard<br>BA 9s base fitting<br>Ø 11 mm max<br>length 28 mm max.  | 6          | 1.2     | –            | 100             | DL1 CB006NSP   | 0.002     |
|   | 24         | 2.0     | –            | 100             | DL1 CE024NSP   | 0.002     |
|   | 130        | 2.4     | –            | 100             | DL1 CE130NSP   | 0.002     |
| Incandescent bulbs, long life<br>BA 9s base fitting<br>Ø 11 mm max<br>length 28 mm max. | 6          | 1.2     | –            | 10              | DL1 CB006      | 0.002     |
|   | 24         | 2.0     | –            | 10              | DL1 CE024      | 0.002     |
|   | 130        | 2.4     | –            | 10              | DL1 CE130      | 0.002     |
| Neon bulbs<br>BA 9s base fitting<br>Ø 11 mm max<br>length 28 mm max.                    | 220...240  | –       | Green        | 10              | DL1 CS3220     | 0.002     |
|   |            |         |              | 100             | DL1 CS3220SP   | 0.002     |
|   | Blue       | 10      | DL1 CS6220   | 0.002           |                |           |
|   |            | 100     | DL1 CS6220SP | 0.002           |                |           |
|   | Orange (1) | 10      | DL1 CS7220   | 0.002           |                |           |
|   |            | 100     | DL1 CS7220SP | 0.002           |                |           |

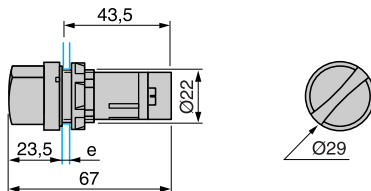
(1) For use with red, yellow or clear pilot light.

## Dimensions

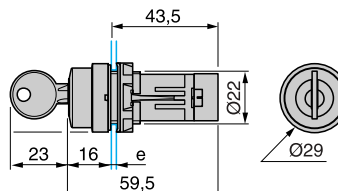
### XB7 EA●●P, XB7 EH●●P



### XB7 ED●●P

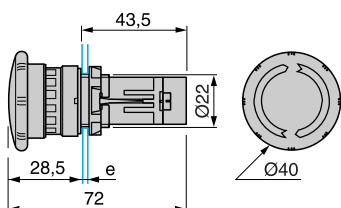


### XB7 EG●●P

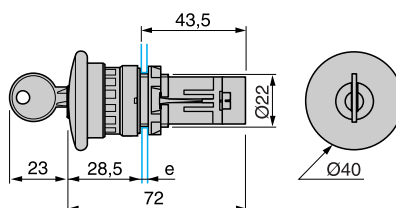


e: panel thickness = 1 to 6 mm

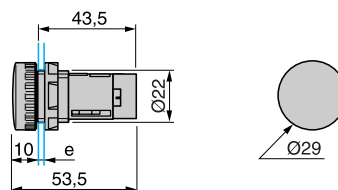
### XB7 ES●●P



### XB7 ES1●●P

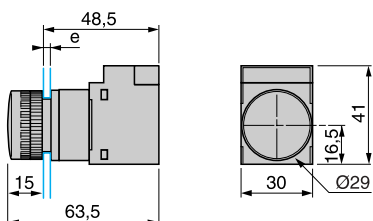


### XB7 EV●●P

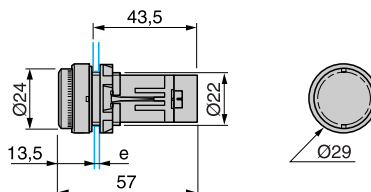


e: panel thickness = 1 to 6 mm

### XB7 EV8●P

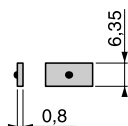


### XB7 EW3●●P, XB7 EH0●●P, XB7 EL4●32P

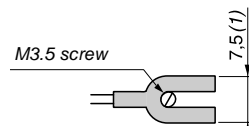


e: panel thickness = 1 to 6 mm

### Faston connector



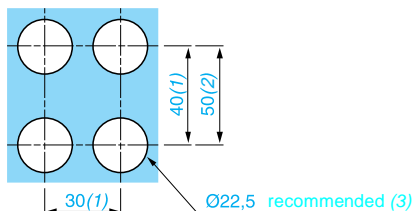
### Forked "U" tag connection



(1) Maximum value.

## Mounting

### Diameter of finished fixing holes



(1) Minimum value.

(2) For XB7 EV8 ●P.

(3) Standard value: Ø 22.3 (0; + 0.4).