# Harmony™ XB7 monolithic 22 mm push buttons

Catalog
2012

Schneider Electric™

*Contents*

# Harmony™ XB7 monolithic 22 mm push buttons


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# Harmony™ XB7: Compact, robust, monolithic 22 mm push buttons for your machines

For your control systems that require high-performance, compact, and easy-to-install components...Harmony XB7 push buttons are your ideal solution. The new Emergency Stop push button design allows immediate identification of safety functions and status of contacts.

## > Simple installation, simple integration...

Easy to install and to integrate into your Control Systems

## > Designed for quality and conformity...

Conforms to industry standards and Machinery Directive

## > High performance for industrial applications...

Robust, durable controls for industry and buildings

Make the most of your energy℠

# Simple installation...

The monolithic design of the Harmony™ XB7 makes it **easy to mount** on machines or control panels with only one ring nut.

The 4 top-down terminals enable **easy wiring** with finger protection (IP 20).

**IEC 60529**
compliant

# Simple integration...

New ergonomic design in 6 colors, plus illuminated functions with **integrated LED**.

## Complete
product range

Push buttons ○●●●●●

Pilot lights ●●●○○●

Long life: a duration of more than 70,000 hours on pilot lights and 1 million operations for push buttons.

Illuminated push buttons
●●●●○●

Handle selectors
●

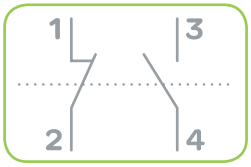
Key selectors
●

Emergency stop push buttons
●

**1 reference = 1 function**

## Electrical reliability

Contact functions are designed for **load switching** (I/O interface) and resistance to vibrations.



# Designed for quality and conformity...

Harmony™ XB7 “Emergency stop” push buttons comply with EN/IEC and UL standards, EN 13850, EN/IEC 60947-5-5 and are designed for machines and industrial control panels. The emergency stop function consists of:

Red trigger action

Standardized yellow legend

Green mark on body allows contact state visualization

Off

On

**Green**
**mark for contact state**

**Worldwide availability**

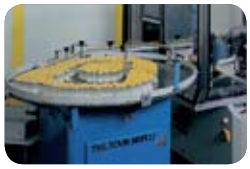
**Conforming to**
**EN/IEC 60947-5-5**

**International certifications:**
**CE, UL, CSA, CCC, GOST**

# High performance for industrial applications...

The Harmony XB7 push button is perfect for industry applications like packaging and other machine processes, and building applications, including: HVAC, electrical distribution, and lighting.

**Degree of protection**
**IP 65**

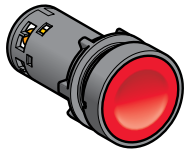
| Assembly lines | Packaging machines | HVAC | Buildings |
|---|---|---|---|
| |  | | |

# Harmony™ XB7 monolithic 22 mm push buttons

Push buttons, switches and pilot lights

## Complete products: Contact functions

### Spring return push buttons with/without marking



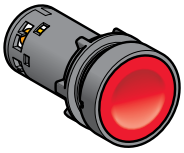
Flush

XB7 NA●●●●: see page 11

Projecting

XB7 NL●●●●: see page 11

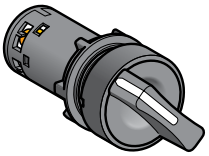
### Latching push buttons without marking



Flush

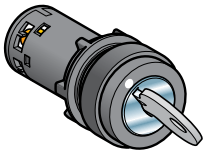
XB7 NH●●: see page 11

### Selector switches and key switches



Standard handle, black

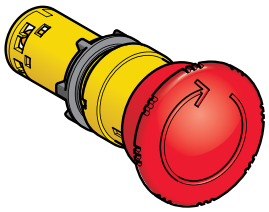
XB7 ND●●: see page 14



Key operated

XB7 NG●●: see page 14

### Emergency Stop push buttons



Turn to release/Push-pull/Key release

XB7 NS●●●●/XB7 NT●●●: see page 14

## Complete products: Signalling functions

### Pilot lights

With integral LED

XB7 EV0●●P: see page 13

### Illuminated push buttons, with projecting push

With integral LED, spring return or latching

XB7 NW●●●●, XB7 NJ●●●●1: see page 13

## Legend holders, legends, and accessories

**See pages 15 and 16**

# Harmony™ XB7 monolithic 22 mm push buttons

Push buttons, switches and pilot lights

## Environment

| | | | |
|---|---|---|---|
| **Protective treatment** | Standard version | | "TH" |
| **Ambient air temperature** around the device | For storage | **°C** | -40 to +70 |
| | For operation | **°C** | -25 to +70 for integral LED version |
| **Electric shock protection** | Conforming to IEC 61140 | | Class II |
| **Degree of protection** | Conforming to IEC 60529 | | Front face:<br>□ IP 65 for push buttons, illuminated push buttons, pilot lights, selector switches and Emergency Stop push buttons<br><br>Rear face:<br>□ IP 20 (protection against direct contact) |
| | Conforming to UL 50E | | □ Suitable for enclosure type 3: push buttons, illuminated push buttons, selector switches, Emergency Stop push buttons<br>□ Suitable for enclosure type 4: pilot lights with integral LED<br>□ Suitable for enclosure type 12: Emergency Stop push buttons, pilot lights with integral LED |
| **Conformity to standards** | Generic standards<br>UL, CSA, GOST, CCC and CE | | □ EN/IEC 60947-1, EN/IEC 60947-5-1 for push buttons, pilot lights, illuminated push buttons and selector switches<br>□ UL, EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-5, EN/IEC 60204-1 and EN/ISO 13850 for Emergency Stop trigger action push buttons<br>□ UL 508, CSA C22 n° 14, CCC, GB 14048.5 for all XB7 range |
| **Terminal referencing** | Conforming to EN 50005 and EN 50013 | | Conforms |

## General specifications

| | | | |
|---|---|---|---|
| **Mechanical durability** (in operating cycles) | | | □ Push buttons: 1,000,000<br>□ Illuminated push buttons, spring return and latch type: 300,000<br>□ Selector switches and key switches: 300,000<br>□ Emergency Stop: 100,000 |
| **Vibration resistance** | Conforming to IEC 60068-2-6 | | 5 gn (frequency 2 to 500 Hz) |
| **Mechanical shock resistance** | Conforming to IEC 60068-2-27 | | Half sine wave acceleration 11 ms: 50 gn<br>Half sine wave acceleration 18 ms: 30 gn<br>Half sine wave acceleration 11 ms:<br>- 15 gn for Emergency Stop push buttons |
| **Mounting** Conforming to EN/IEC 60947-5-1 | Finished mounting hole | **mm** | 22.5, recommended (22.3 + 0.4/0) |
| | Mounting center | **mm** | □ 30 x 40 for all products (except Emergency Stop push buttons)<br>□ 40 x 40 for Emergency Stop push buttons |
| | Support panel thickness | **mm** | □ Metal: 1 to 6<br>□ Plastic: 2 to 6 |
| | Mounting nut: head tightening torque | **N•m** | □ 2.2 (+/-0.2) |
| **Cabling capacity** Conforming to EN/IEC 60947-1 | Screw clamp terminal connection | **mm²** | For all types of push buttons and pilot lights:<br>□ min: 1 x 0.34 $mm^2$ without cable end<br>□ max: 2 x 1.5 $mm^2$ with cable end or 2 x 2.5 $mm^2$ without cable end |
| | Forked "U" type tag connection | | 2 max., fitted head to tail (for all types of push buttons and pilot lights)<br>Recommended fork width: 6.5 mm (7 mm max.) for M3 screw |
| | Faston clip connection | **mm** | Type 6.35 x 0.8 mm (for pilot lights only) |
| **Tightening torque of mounting screws** | | **N•m** | □ 0.8 (nominal recommended)<br>□ 1.2 (max.)<br><br>Screw heads compatible with Pozidriv, Phillips or JIS screwdrivers (size 1) and flat tipped screwdrivers (4 and 5.5 mm) |

References: page 11
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# Harmony™ XB7 monolithic 22 mm push buttons

Push buttons, switches and pilot lights

## Contact function specifications

| | | | | |
|---|---|---|---|---|
| **Type of contact** | N/C, N/O or N/C+N/O | | | □ Slow break<br>□ Snap action for Emergency Stop push buttons |
| **Positive operation** | Conforming to EN/IEC 60947-5-1 Appendix K | | | All functions incorporating a N/C contact are positive opening operation |
| **Short-circuit protection** | Conforming to EN/IEC 60947-5-1 | | **A** | 4 (using gG cartridge fuse conforming to IEC 269-1) |
| **Rated insulation voltage** | Conforming to EN/IEC 60947-1 | | **V** | Ui = 250 (degree of pollution 3) |
| **Rated impulse withstand voltage** | Conforming to EN/IEC 60947-1 | | **kV** | Uimp = 6 |
| **Rated operational specifications** conforming to EN/IEC 60947-5-1 | a.c. supply: utilization category | AC14, D300 | | Ue = 240 V and Ie = 0.3 A or Ue = 120 V and Ie = 0.6 A |
| | | AC15, C300 | | Ue = 120 V and Ie = 1.5 A or Ue = 240 V and Ie = 0.75 A (Emergency Stop only) |
| | | DC13, R300 | | Ue = 250 V and Ie = 0.1 A or Ue = 125 V and Ie = 0.22 A |
| **Electrical reliability** at 17 V and 5 mA | Failure rate in accordance with EN/IEC 60947-5-4 | | | □ $\lambda \leq 10^{-6}$<br>□ $\lambda \leq 5 \times 10^{-7}$ (Emergency Stop only) |

## Light function specifications

| **Type of signaling units** | | | | **Illuminated push buttons** | **Pilot lights** |
|---|---|---|---|---|---|
| **Integral LED** | | | | | |
| **Current consumption** | For all colors | ⎓/∿ 24 V | **mA** | 18 (27 max) | 20 (27 max.) |
| | | ∿ 120 V | **mA** | 12 (17 max) | 18 (21 max.) |
| | | ∿ 230 V | **mA** | 22 (27 max) | 16 (20 max.) |
| **Voltage limits** | At nominal voltage | ⎓ 24 V | **V** | 19.2 to 30 | |
| | | ∿ 24 V | **V** | 21.6 to 26.4 | |
| | | ∿ 120 V | **V** | 100 to 132 | |
| | | ∿ 230–240 V | **V** | 195 to 264 | |
| **Service life** | At nominal voltage and at an ambient temperature of 25 °C | | **Hr** | 70,000 | |
| **Overvoltage withstand** | Level of protection | ∿ 120 V | **VA** | 100 | |
| | | ∿ 230 V | **VA** | 200 | |
| **Resistance to electrostatic discharges** | Conforming to IEC 61000-4-2 | | **kV** | 6: on contact, on metal parts<br>8: in free air, in insulating parts | |
| **Resistance to electromagnetic fields** | Conforming to IEC 61000-4-3 | | **V/m** | 10 | |
| **Resistance to fast transients** | Conforming to IEC 61000-4-4 | | **KV** | 2 | |
| **Surge withstand** | Conforming to IEC 61000-4-5 | | **KV** | 1 | |
| **Immunity to conducted disturbances** | Conforming to IEC 61000-4-6 | | **V** | 10 | |
| **Brightness** | At nominal voltage and for all colors | | **Lux** | > 200 | |

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# Harmony™ XB7 monolithic 22 mm push buttons

## Push buttons, switches and pilot lights

XB7NA31

XB7NL4●

XB7NH2●

### Push buttons

| Shape of head | Type of push | Type of contact N/O | Type of contact N/C | Marking Text | Marking Color | Color of push | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|---|---|---|---|---|---|
| **Spring return push button without marking** | | | | | | | | | |
| | Flush | 1 | – | – | – | White | 10 | **XB7NA11** | 0.021 |
| | | 1 | – | – | – | Black | 10 | **XB7NA21** | 0.021 |
| | | 1 | – | – | – | Green | 10 | **XB7NA31** | 0.021 |
| | | 1 | – | – | – | Yellow | 10 | **XB7NA81** | 0.021 |
| | | 1 | 1 | – | – | White | 10 | **XB7NA15** | 0.021 |
| | | 1 | 1 | – | – | Black | 10 | **XB7NA25** | 0.021 |
| | | 1 | 1 | – | – | Green | 10 | **XB7NA35** | 0.021 |
| | | 1 | 1 | – | – | Red | 10 | **XB7NA45** | 0.021 |
| | | 1 | 1 | – | – | Blue | 10 | **XB7NA65** | 0.021 |
| | | 1 | 1 | – | – | Yellow | 10 | **XB7NA85** | 0.021 |
| | | – | 1 | – | – | Red | 10 | **XB7NA42** | 0.021 |
| | | 2 | – | – | – | Black | 10 | **XB7NA23** | 0.021 |
| | | 2 | – | – | – | Green | 10 | **XB7NA33** | 0.021 |
| | | – | 2 | – | – | Red | 10 | **XB7NA44** | 0.021 |
| | Projecting | – | 1 | – | – | Red | 10 | **XB7NL42** | 0.021 |
| | | 1 | 1 | – | – | Red | 10 | **XB7NL45** | 0.021 |
| | | – | 2 | – | – | Red | 10 | **XB7NL44** | 0.021 |
| **Latch type push button without marking** | | | | | | | | | |
| | Flush | 1 | – | – | – | Black | 10 | **XB7NH21** | 0.021 |
| | | 1 | – | – | – | Green | 10 | **XB7NH31** | 0.021 |
| | | 1 | 1 | – | – | Black | 10 | **XB7NH25** | 0.021 |
| | | 1 | 1 | – | – | Green | 10 | **XB7NH35** | 0.021 |
| | | 1 | – | – | – | Yellow | 10 | **XB7NH81** | 0.021 |

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# Harmony™ XB7 monolithic 22 mm push buttons

## Push buttons, switches and pilot lights

XB7NA3133

XB7NA4234

XB7NL4232

### Push buttons (continued)

| Shape of head | Type of push | Type of contact N/O | Type of contact N/C | Marking Text | Marking Color | Color of push | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|---|---|---|---|---|---|
| **Spring return push button with marking** | | | | | | | | | |
| | **Flush** | 1 | – | I | White | Green | 10 | **XB7NA3131** | 0.021 |
| | | 1 | – | II | White | Green | 10 | **XB7NA3136** | 0.021 |
| | | 1 | – | START | White | Green | 10 | **XB7NA3133** | 0.021 |
| | | 1 | – | ⬇ | Black | White | 10 | **XB7NA11343** | 0.021 |
| | | 1 | – | ⬆ | Black | White | 10 | **XB7NA11341** | 0.021 |
| | | 1 | – | ⇩ | White | Black | 10 | **XB7NA21343** | 0.021 |
| | | 1 | – | ⇧ | White | Black | 10 | **XB7NA21341** | 0.021 |
| | | – | 1 | O | White | Red | 10 | **XB7NA4232** | 0.021 |
| | | – | 1 | STOP | White | Red | 10 | **XB7NA4234** | 0.021 |
| | | 2 | – | I | White | Green | 10 | **XB7NA3331** | 0.021 |
| | | 2 | – | II | White | Green | 10 | **XB7NA3336** | 0.021 |
| | | 2 | – | START | White | Green | 10 | **XB7NA3333** | 0.021 |
| | | 1 | 1 | O | White | Red | 10 | **XB7NA4532** | 0.021 |
| | | 1 | 1 | STOP | White | Red | 10 | **XB7NA4534** | 0.021 |
| | | 1 | 1 | ⬇ | Black | White | 10 | **XB7NA15343** | 0.021 |
| | | 1 | 1 | ⬆ | Black | White | 10 | **XB7NA15341** | 0.021 |
| | | 1 | 1 | ⇩ | White | Black | 10 | **XB7NA25343** | 0.021 |
| | | 1 | 1 | ⇧ | White | Black | 10 | **XB7NA25341** | 0.021 |
| | **Projecting** | – | 1 | O | White | Red | 10 | **XB7NL4232** | 0.021 |
| | | – | 1 | STOP | White | Red | 10 | **XB7NL4234** | 0.021 |
| | | 1 | 1 | O | White | Red | 10 | **XB7NL4532** | 0.021 |
| | | 1 | 1 | STOP | White | Red | 10 | **XB7NL4534** | 0.021 |

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# Harmony™ XB7 monolithic 22 mm push buttons

## Push buttons, switches and pilot lights

*XB7NW33●1*

### Illuminated push buttons, projecting push

**with integral LED**

| Shape of head | Type of push and contacts | Color of lens | Sold in lots of | Unit reference by supply voltage *(1)* | | | Weight |
|---|---|---|---|---|---|---|---|
| | | | | ~ / ⎓ 24 V | ~ 120 V | ~ 230 V | kg |
| | Spring return push with N/O or N/C contacts *(1)* | Green | 10 | **XB7NW33B1** | **XB7NW33G1** | **XB7NW33M1** | 0.023 |
| | | Red | 10 | **XB7NW34B1** | **XB7NW34G1** | **XB7NW34M1** | 0.023 |
| | | | 10 | **XB7NW34B2** | **XB7NW34G2** | **XB7NW34M2** | 0.023 |
| | | Orange | 10 | **XB7NW35B1** | **XB7NW35G1** | **XB7NW35M1** | 0.023 |
| | | Blue | 10 | **XB7NW36B1** | **XB7NW36G1** | **XB7NW36M1** | 0.023 |
| | | Clear | 10 | **XB7NW37B1** | **XB7NW37G1** | **XB7NW37M1** | 0.023 |
| | | Yellow | 10 | **XB7NW38B1** | **XB7NW38G1** | **XB7NW38M1** | 0.023 |
| | Latch push | Green | 10 | **XB7NJ03B1** | **XB7NJ03G1** | **XB7NJ03M1** | 0.023 |
| | | Red | 10 | **XB7NJ04B1** | **XB7NJ04G1** | **XB7NJ04M1** | 0.023 |
| | | | 10 | **XB7NJ04B2** | **XB7NJ04G2** | **XB7NJ04M2** | 0.023 |
| | | Orange | 10 | **XB7NJ05B1** | **XB7NJ05G1** | **XB7NJ05M1** | 0.023 |
| | | Blue | 10 | **XB7NJ06B1** | **XB7NJ06G1** | **XB7NJ06M1** | 0.023 |
| | | Clear | 10 | **XB7NJ07B1** | **XB7NJ07G1** | **XB7NJ07M1** | 0.023 |
| | | Yellow | 10 | **XB7NJ08B1** | **XB7NJ08G1** | **XB7NJ08M1** | 0.023 |

*XB7EV08●P*

### Pilot lights

**with integral LED**

| Shape of head | Type of light source (included) | Color of lens | Sold in lots of | Unit reference by supply voltage *(2)* | | | Weight |
|---|---|---|---|---|---|---|---|
| | | | | ~ / ⎓ 24 V | ~ 120 V | ~ 230 V | kg |
| | Integral LED | Green | 10 | **XB7EV03BP** | **XB7EV03GP** | **XB7EV03MP** | 0.020 |
| | | Red | 10 | **XB7EV04BP** | **XB7EV04GP** | **XB7EV04MP** | 0.020 |
| | | Yellow | 10 | **XB7EV05BP** | **XB7EV05GP** | **XB7EV05MP** | 0.020 |
| | | Blue | 10 | **XB7EV06BP** | **XB7EV06GP** | **XB7EV06MP** | 0.020 |
| | | Clear | 10 | **XB7EV07BP** | **XB7EV07GP** | **XB7EV07MP** | 0.020 |
| | | Orange | 10 | **XB7EV08BP** | **XB7EV08GP** | **XB7EV08MP** | 0.020 |

*(1) All product references ending with "1" correspond to products with N/O contacts (Example: XB7NW34B1). All product references ending with "2" correspond to products with N/C contacts (Example: XB7NW34B2).*
*(2) For Faston® connection version (1 x 6.35 mm and 2 x 2.8 mm), add the number "3" to the end of the reference. Example: XB7EV07BP becomes XB7EV07BP3.*

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# Harmony™ XB7 monolithic 22 mm push buttons

## Push buttons, switches and pilot lights

*XB7ND2●*

*XB7NG33*

*XB7 NS84●*

### Selector switches and key switches

| Shape of head | Type of operator | Type of contact NO | Type of contact NC | Number and type of positions *(1)* | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|---|---|---|---|
| | **Standard handle, black** | 1 | – | 2, stay put | 10 | **XB7ND21** | 0.026 |
| | | 1 | 1 | 2, stay put | 10 | **XB7ND25** | 0.026 |
| | | 2 | – | 3, stay put | 10 | **XB7ND33** | 0.026 |
| | **Key** (key n° 455) | 1 | – | 2, key withdrawal in LH position | 10 | **XB7NG21** | 0.050 |
| | | 2 | – | 3, key withdrawal in center position | 10 | **XB7NG33** | 0.050 |

### Ø 40 mm Emergency stop trigger action and mechanically latching push buttons

| Shape of head | Type of push | Standards | Type of contact NO | Type of contact NC | Color of push | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|---|---|---|---|---|
| | **Turn to release** | EN/IEC 60204-1, EN/ISO 13850, EN/IEC 60947-5-5, Machinery directive 2006/42/EC and UL | – | 1 | Red | 10 | **XB7NS8442** | 0.045 |
| | | | 1 | 1 | Red | 10 | **XB7NS8445** | 0.045 |
| | | | – | 2 | Red | 10 | **XB7NS8444** | 0.045 |
| | **Push-pull** | | – | 1 | Red | 10 | **XB7NT842** | 0.040 |
| | | | 1 | 1 | Red | 10 | **XB7NT845** | 0.040 |
| | | | – | 2 | Red | 10 | **XB7NT844** | 0.040 |
| | **Key release** (n° 455) | | – | 2 | Red | 10 | **XB7NS9444** | 0.072 |
| | | | – | 1 | Red | 10 | **XB7NS9445** | 0.072 |

*(1) The symbol "⚷" indicates key withdrawal position.*

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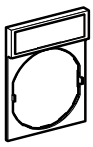
# Harmony™ XB7 monolithic 22 mm push buttons

## Push buttons, switches and pilot lights



ZBY 2101

### Standard (30 x 40 mm) legend holders for 8 x 27 mm legends

| Text | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|
| Without legend | 10 | ZBZ32 | 0.001 |

### Legend holder, 30 x 40 mm with legend (black or red background)

#### with blank legend

| Text | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|
| Without | 10 | ZBY2101 | 0.001 |

#### with marked legend (sold singly)

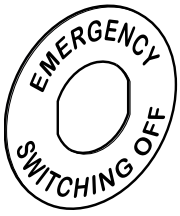
- Start functions: White characters on black background.
- Stop functions: White characters on red background.

| Text | Unit reference | Weight kg | Text | Unit reference | Weight kg |
|---|---|---|---|---|---|
| Auto | ZBY2115 | 0.001 | Reset | ZBY2323 | 0.001 |
| Down | ZBY2308 | 0.001 | Reverse | ZBY2306 | 0.001 |
| Forward | ZBY2305 | 0.001 | Right | ZBY2309 | 0.001 |
| Hand | ZBY2316 | 0.001 | Start | ZBY2303 | 0.001 |
| Inch | ZBY2321 | 0.001 | Stop | ZBY2304 | 0.001 |
| Left | ZBY2310 | 0.001 | Up | ZBY2307 | 0.001 |
| Off | ZBY2312 | 0.001 | O | ZBY2146 | 0.001 |
| On | ZBY2311 | 0.001 | I | ZBY2147 | 0.001 |
| Power on | ZBY2326 | 0.001 | O-I | ZBY2178 | 0.001 |

### Standard (30 x 50 mm) legend holders for 18 x 27 mm legends

| Text | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|
| Without legend | 10 | ZBZ 3 | 0.001 |

ZBY9330




ZBY9360

### Circular legends, yellow, for mushroom head push buttons

#### used for “Emergency stop” function (1)

| Conforming to standards | Diameter mm | Marking on yellow background | Unit reference | Weight kg |
|---|---|---|---|---|
| EN/IEC 60204-1 and EN/ISO 13850 (1) | 60 | – | ZBY9140 | 0.004 |
| | | EMERGENCY STOP | ZBY9330 | 0.004 |
| | 90 | – | ZBY8140 | 0.008 |
| | | EMERGENCY STOP | ZBY8330 | 0.008 |

#### used for “Emergency switching off” function

| Conforming to standard | Diameter mm | Marking on yellow background | Unit reference | Weight kg |
|---|---|---|---|---|
| EN/IEC 60204-1 | 60 | – | ZBY9101 | 0.004 |
| | | EMERGENCY SWITCHING OFF | ZBY9360 | 0.004 |
| | 90 | – | ZBY8101 | 0.008 |
| | | EMERGENCY SWITCHING OFF | ZBY8360 | 0.008 |

ZBY42101

ZBY62101

### Nameplates, 30 x 40 mm, blank

| Text color | Background color | Unit reference |
|---|---|---|
| White | Black | ZBY42101 |
| White | Red | ZBY44101 |
| Black | Yellow | ZBY41101 |
| Black | White | ZBY45101 |

### Nameplates, 30 x 50 mm, blank

| Text color | Background color | Unit reference |
|---|---|---|
| White | Black | ZBY62101 |
| White | Red | ZBY64101 |
| Black | Yellow | ZBY61101 |
| Black | White | ZBY65101 |

*(1) For compliance with standard EN/ISO 13850, paragraph 4.4.6, the Emergency stop logo has been added.*

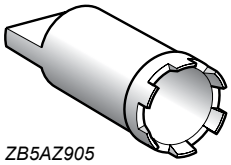
Specifications: page 9
Dimensions: page 17

# Harmony™ XB7 monolithic 22 mm push buttons

## Push buttons, switches and pilot lights

*ZB5AZ902*

*ZB5AZ901*



*ZB5AZ905*

*ZB5SZ3*

### Accessories

| Description | Color | Sold in lots of | Unit reference | Weight kg |
|---|---|---|---|---|
| **Anti-rotation plate** | – | 10 | **ZB5AZ902** | 0.008 |
| **Mounting nut** | – | 10 | **ZB5AZ901** | 0.002 |
| **Mounting nut tightening tool** | – | 1 | **ZB5AZ905** | 0.016 |
| **Plastic circular blanking plug** (with mounting nut) | Black | 10 | **ZB5SZ3** | 0.009 |

Specifications: page 9

Dimensions: page 17

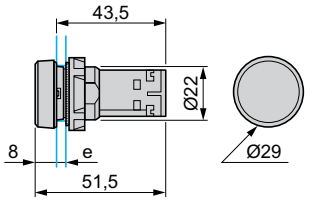
# Harmony™ XB7 monolithic 22 mm push buttons

Push buttons, switches and pilot lights

## Dimensions

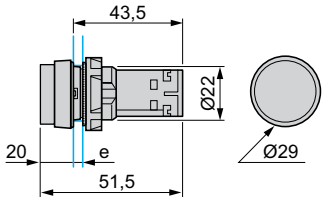
### Push buttons, flush type

**XB7NA●●●●, XB7NH●●**




### Push buttons, projecting type

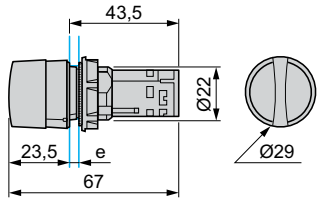
**XB7NL●●●●**




e : support panel thickness: 1 to 6 mm (metal), 2 to 6 mm (plastic).

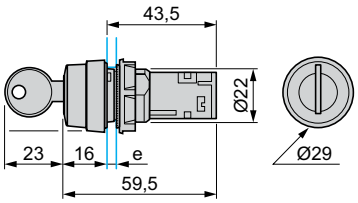
### Selector switches, standard handle

**XB7ND●●**




### Key switches

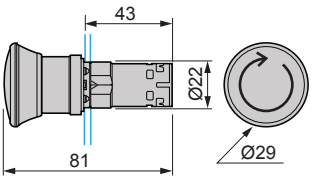
**XB7NG●●**




e : support panel thickness: 1 to 6 mm (metal), 2 to 6 mm (plastic).

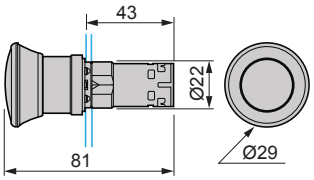
### Emergency Stop push buttons (Turn to release)

**XB7NS84●●**



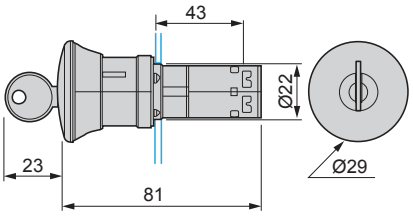

### Emergency Stop push buttons (Push-pull)

**XB7NT84●**




### Emergency Stop push buttons with key

**XB7NS94●●**




e : support panel thickness: 1 to 6 mm (metal), 2 to 6 mm (plastic).

Specifications:
page 9

References:
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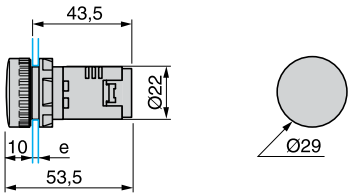
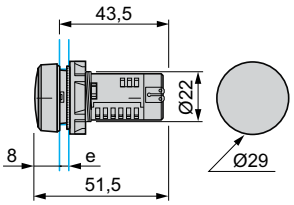
## Dimensions *(continued)*

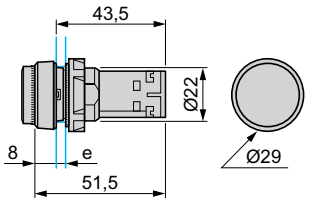
**Pilot lights with screw terminal**
**XB7EV●●●P**




**Pilot lights with Faston® terminal**
**XB7EV●●●P3**

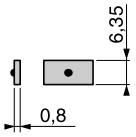



**Illuminated push buttons**
**XB7NW●●●●, XB7NJ●●●●**

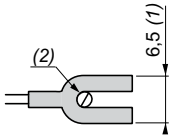



e : support panel thickness: 1 to 6 mm (metal), 2 to 6 mm (plastic).

**Faston clip connection (for pilot lights only)**



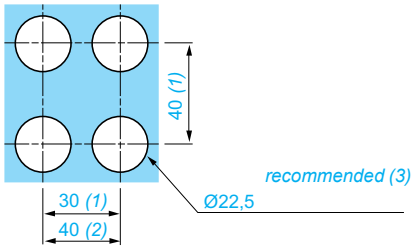

**"U" type tag connection**




*(1) 6.5 recommended, 7 mm max.*
*(2) M3 screw clamp terminal.*

## Mounting

**Diameter of finished mounting holes**




*(1) Minimum value.*
*(2) 40 mm for Emergency Stop push buttons only.*
*(3) Standard value: Ø 22.3 (0; + 0.4).*

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ART. 960710

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DIA5ED2120503EN-US
07/2012