

Harmony™ XB7 monolithic 22 mm push buttons

Catalog
2012





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...

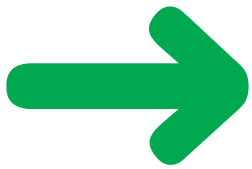
Conforms to industry standards and Machinery Directive

> High performance for industrial applications...

Robust, durable controls for industry and buildings

Make the most of your energySM





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 ●

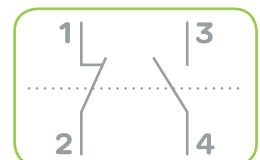


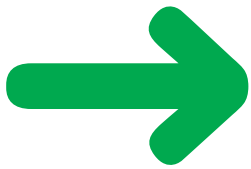
Emergency stop push buttons ●

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.

Assembly lines



Packaging machines



HVAC



Buildings



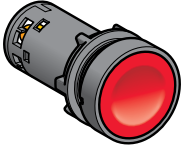
Degree of protection
IP 65

Harmony™ XB7 monolithic 22 mm push buttons

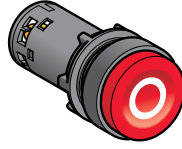
Push buttons, switches and pilot lights

Complete products: Contact functions

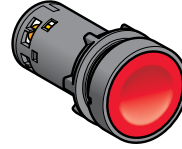
Spring return push buttons with/without marking



Flush
XB7 NA●●●●: see page 11



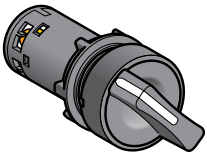
Projecting
XB7 NL●●●●: see page 11



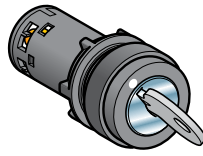
Latching push buttons without marking

Flush
XB7 NH●●: see page 11

Selector switches and key switches

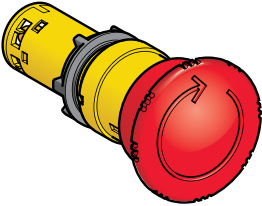


Standard handle, black
XB7 ND●●: see page 14



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: <input type="checkbox"/> IP 65 for push buttons, illuminated push buttons, pilot lights, selector switches and Emergency Stop push buttons Rear face: <input type="checkbox"/> IP 20 (protection against direct contact) |
| | Conforming to UL 50E | | <input type="checkbox"/> Suitable for enclosure type 3: push buttons, illuminated push buttons, selector switches, Emergency Stop push buttons <input type="checkbox"/> Suitable for enclosure type 4: pilot lights with integral LED <input type="checkbox"/> Suitable for enclosure type 12: Emergency Stop push buttons, pilot lights with integral LED |
| Conformity to standards | Generic standards UL, CSA, GOST, CCC and CE | | <input type="checkbox"/> EN/IEC 60947-1, EN/IEC 60947-5-1 for push buttons, pilot lights, illuminated push buttons and selector switches <input type="checkbox"/> 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 <input type="checkbox"/> 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) | | | <input type="checkbox"/> Push buttons: 1,000,000 <input type="checkbox"/> Illuminated push buttons, spring return and latch type: 300,000 <input type="checkbox"/> Selector switches and key switches: 300,000 <input type="checkbox"/> 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 Half sine wave acceleration 18 ms: 30 gn Half sine wave acceleration 11 ms: - 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 | <input type="checkbox"/> 30 x 40 for all products (except Emergency Stop push buttons) <input type="checkbox"/> 40 x 40 for Emergency Stop push buttons |
| | Support panel thickness | mm | <input type="checkbox"/> Metal: 1 to 6 <input type="checkbox"/> Plastic: 2 to 6 |
| | Mounting nut: head tightening torque | N•m | <input type="checkbox"/> 2.2 (+/-0.2) |
| Cablings capacity Conforming to EN/IEC 60947-1 | Screw clamp terminal connection | mm ² | For all types of push buttons and pilot lights: <input type="checkbox"/> min: 1 x 0.34 mm ² without cable end <input type="checkbox"/> 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) 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 | <input type="checkbox"/> 0.8 (nominal recommended) <input type="checkbox"/> 1.2 (max.) Screw heads compatible with Pozidriv, Phillips or JIS screwdrivers (size 1) and flat tipped screwdrivers (4 and 5.5 mm) |

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 | | <input type="checkbox"/> Slow break <input type="checkbox"/> 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 | U _i = 250 (degree of pollution 3) |
| Rated impulse withstand voltage | Conforming to EN/IEC 60947-1 | kV | U _{imp} = 6 |
| Rated operational specifications conforming to EN/IEC 60947-5-1 | a.c. supply: utilization category | | |
| | AC14, D300 | | U _e = 240 V and I _e = 0.3 A or U _e = 120 V and I _e = 0.6 A |
| | AC15, C300 | | U _e = 120 V and I _e = 1.5 A or U _e = 240 V and I _e = 0.75 A (Emergency Stop only) |
| | DC13, R300 | | U _e = 250 V and I _e = 0.1 A or U _e = 125 V and I _e = 0.22 A |
| Electrical reliability at 17 V and 5 mA | Failure rate in accordance with EN/IEC 60947-5-4 | | <input type="checkbox"/> $\lambda \leq 10^{-6}$ <input type="checkbox"/> $\lambda \leq 5 \times 10^{-7}$ (Emergency Stop only) |

Light function specifications

| Type of signaling units | | | | illuminated push buttons | Pilot lights |
|---|---|---------------------------------|------------|--|--------------|
| Integral LED | | | | | |
| Current consumption | For all colors | $\overline{\sim}$ / \sim 24 V | mA | 18 (27 max.) | 20 (27 max.) |
| | | \sim 120 V | mA | 12 (17 max.) | 18 (21 max.) |
| | | \sim 230 V | mA | 22 (27 max.) | 16 (20 max.) |
| Voltage limits | At nominal voltage | $\overline{\sim}$ 24 V | V | 19.2 to 30 | |
| | | \sim 24 V | V | 21.6 to 26.4 | |
| | | \sim 120 V | V | 100 to 132 | |
| | | \sim 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 | \sim 120 V | VA | 100 | |
| | | \sim 230 V | VA | 200 | |
| Resistance to electrostatic discharges | Conforming to IEC 61000-4-2 | | kV | 6: on contact, on metal parts 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 | |

Harmony™ XB7 monolithic 22 mm push buttons

Push buttons, switches and pilot lights



XB7NA31





| Push buttons | | | | | | | | | |
|--|--------------|-----------------|-----|---------|-------|---------------|-----------------|----------------|--------|
| Shape of head | Type of push | Type of contact | | Marking | | Color of push | Sold in lots of | Unit reference | Weight |
| | | N/O | N/C | Text | Color | | | | |
| 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 |



XB7NH2

Harmony™ XB7 monolithic 22 mm push buttons

Push buttons, switches and pilot lights

| Push buttons (continued) | | | | | | | | | | |
|---|--------------|---|-----|---------|-------|---------------|-----------------|----------------|-------------------|-------|
| Shape of head | Type of push | Type of contact | | Marking | | Color of push | Sold in lots of | Unit reference | Weight | |
| | | N/O | N/C | Text | Color | | | | | |
| 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 |

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 kg |
| | | | | ~ / ∩ 24 V | ~ 120 V | ~ 230 V | |
| ● | 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 kg |
| | | | | ~ / ∩ 24 V | ~ 120 V | ~ 230 V | |
| ● | 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.

Harmony™ XB7 monolithic 22 mm push buttons

Push buttons, switches and pilot lights

Selector switches and key switches



XB7ND2●



XB7NG33



XB7 NS84●

| Shape of head | Type of operator | Type of contact | | Number and type of positions (1) | Sold in lots of | Unit reference | Weight | |
|---------------|------------------------|-----------------|----|--------------------------------------|-----------------|----------------|---------|-------|
| | | NO | NC | | | | | |
| | 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 |

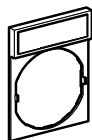
Ø 40 mm Emergency stop trigger action and mechanically latching push buttons

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

(1) The symbol "⌘" indicates key withdrawal position.

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

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 |
| | 90 | EMERGENCY STOP | ZBY9330 | 0.004 |
| – | | – | ZBY8140 | 0.008 |
| – | – | EMERGENCY STOP | ZBY8330 | 0.008 |



ZBY9360

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 |
| | 90 | EMERGENCY SWITCHING OFF | ZBY9360 | 0.004 |
| – | | – | ZBY8101 | 0.008 |
| – | – | EMERGENCY SWITCHING OFF | ZBY8360 | 0.008 |

Nameplates, 30 x 40 mm, blank

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



ZBY42101



ZBY62101

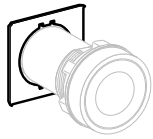
Nameplates, 30 x 50 mm, blank

| 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.

Harmony™ XB7 monolithic 22 mm push buttons

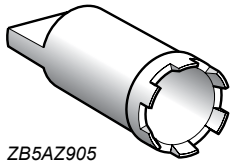
Push buttons, switches and pilot lights



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 |

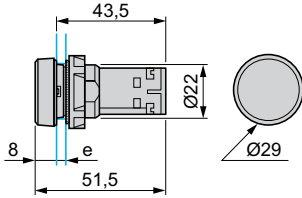
Harmony™ XB7 monolithic 22 mm push buttons

Push buttons, switches and pilot lights

Dimensions

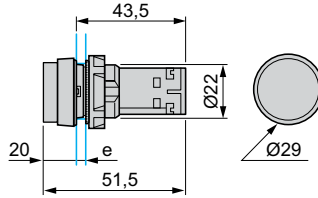
Push buttons, flush type

XB7NA●●●●, XB7NH●●



Push buttons, projecting type

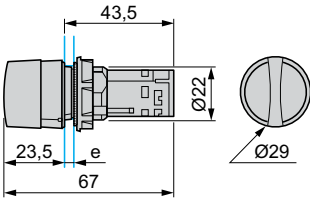
XB7NL●●●●



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

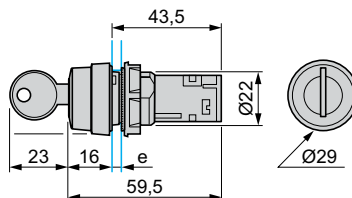
Selector switches, standard handle

XB7ND●●



Key switches

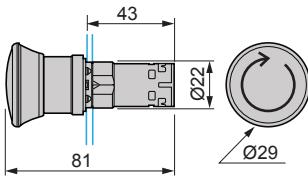
XB7NG●●



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

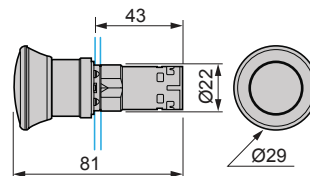
Emergency Stop push buttons (Turn to release)

XB7NS84●●



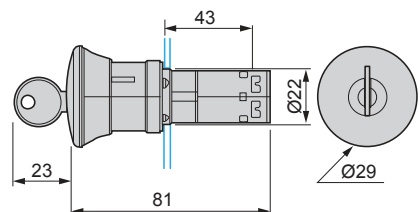
Emergency Stop push buttons (Push-pull)

XB7NT84●



Emergency Stop push buttons with key

XB7NS94●●



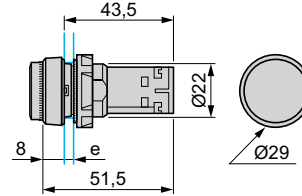
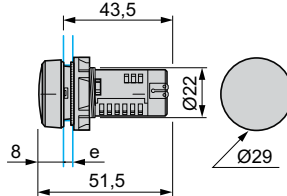
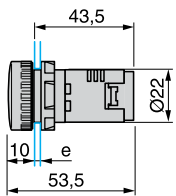
e : support panel thickness: 1 to 6 mm (metal), 2 to 6 mm (plastic).

Dimensions (continued)

Pilot lights with screw terminal
XB7EV●●●P

Pilot lights with Faston® terminal
XB7EV●●●P3

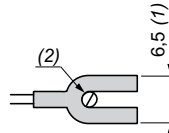
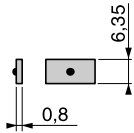
Illuminated push buttons
XB7NW●●●●, XB7NJ●●●●



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

Faston clip connection (for pilot lights only)

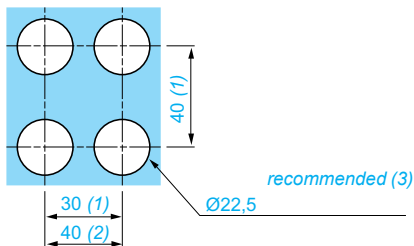
“U” type tag connection



(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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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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