XB4BL73415
Double-headed push button, metal, Ø22, 1 green flush marked I + 1 red projecting marked O, 1 NO + 1 NC

Main
Range of product Harmony XB4
Product or component type Double-headed push-button
Device short name XB4
Bezel material Chromium plated metal
Fixing collar material Zamak
Head type Standard
Mounting diameter 0.87 in (22 mm)
Shape of signaling unit head Rectangular
Type of operator Spring return
Operator profile 1 flush - 1 projecting push-buttons
Operators description Green "I" - red "O"
Contacts type and composition 1 NO + 1 NC
Contact operation Slow-break
Connections - terminals Screw clamp terminals, <= 2 x 1.5 mm² with cable end EN/IEC 60947-1
Screw clamp terminals, >= 1 x 0.22 mm² without cable end EN/IEC 60947-1

Complementary
Net Weight 0.26 lb(US) (0.116 kg)
Resistance to high pressure washer 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Colour of marking Black marking when white caps
White marking when green, red or black caps
Operator profile Green flush, I white)
Red projecting, O white)
Contacts usage Standard contacts
Positive opening With conforming to EN/IEC 60947-5-1 appendix K
Operating travel 0.06 ln (1.5 mm) NC changing electrical state)
0.10 ln (2.6 mm) NO changing electrical state)
0.17 in (4.3 mm) total travel)
Operating force 3.5 N NC changing electrical state
3.8 N NO changing electrical state
Mechanical durability 100000 cycles
Tightening torque 7.08…10.62 lbf.in (0.8…1.2 N.m) EN 60947-1
Shape of screw head Cross JIS No 1
Cross Philips no 1
Cross pozidriv No 1
Slotted flat Ø 4 mm
Slotted flat Ø 5.5 mm
Contacts material Silver alloy (Ag/Ni)
Short-circuit protection 10 A cartridge fuse gG EN/IEC 60947-5-1
[Ith] conventional free air thermal current 10 A EN/IEC 60947-5-1
[U] rated insulation voltage 600 V 3)EN 60947-1
[Uimp] rated impulse withstand voltage 6 kV EN 60947-1

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[le] rated operational current
3 A 240 V, AC-15, A600 EN/IEC 60947-5-1
6 A 120 V, AC-15, A600 EN/IEC 60947-5-1
0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1
0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1
0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1
1.2 A 600 V, AC-15, A600 EN/IEC 60947-5-1

Electrical durability
1000000 Cycles AC-15, 2 A 230 V 3600 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C
1000000 Cycles AC-15, 3 A 120 V 3600 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C
1000000 Cycles AC-15, 4 A 24 V 3600 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C
1000000 Cycles DC-13, 0.2 A 110 V 3600 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C
1000000 cycles DC-13, 0.5 A 24 V 3600 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C

Electrical reliability
Λ < 10exp(-6) 5 V 1 mA in clean environment EN/IEC 60947-5-4
Λ < 10exp(-8) 17 V 5 mA in clean environment EN/IEC 60947-5-4

Device presentation
Complete product

Environment
Protective treatment
TH

Ambient air temperature for storage
-40…158 °F (-40…70 °C)
Ambient air temperature for operation
-40…158 °F (-40…70 °C)

Electrical shock protection class
Class I IEC 60536

IP degree of protection
IP67 IEC 60529
IP69
IP69K

NEMA degree of protection
NEMA 13
NEMA 4X

IK degree of protection
IK06 IEC 50102

Standards
UL 508
JIS C8201-5-1
EN/IEC 60947-5-1
CSA C22.2 No 14
EN/IEC 60947-1
EN/IEC 60947-5-4
EN/IEC 60947-5-5
JIS C8201-1

Product certifications
BV
GL
LROS (Lloyds register of shipping)
DNV
CSA
RINA
UL Listed

Vibration resistance
5 gn 2…500 Hz)IEC 60068-2-6

Shock resistance
30 gn 18 ms) half sine wave acceleration IEC 60068-2-27
50 gn 11 ms) half sine wave acceleration IEC 60068-2-27

Ordering and shipping details
Category
22468 - PUSHBUTTONS,22MM(METAL) NEW

Discount Schedule
CS2

GTIN
00785901629337

Nbr. of units in pkg.
1

Package weight(Lbs)
0.26 lb(US) (0.12 kg)

Returnability
Yes

Country of origin
FR

Packing Units
Unit Type of Package 1
PCE

Package 1 Height
1.42 in (3.6 cm)

Package 1 width
2.05 in (5.2 cm)

Package 1 Length
3.39 in (8.6 cm)

Unit Type of Package 2
S03
<table>
<thead>
<tr>
<th>Package 2 Details</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Units in Package 2</td>
<td>100</td>
</tr>
<tr>
<td>Package 2 Weight</td>
<td>26.77 lb (US) (12.142 kg)</td>
</tr>
<tr>
<td>Package 2 Height</td>
<td>11.81 in (30 cm)</td>
</tr>
<tr>
<td>Package 2 width</td>
<td>11.81 in (30 cm)</td>
</tr>
<tr>
<td>Package 2 Length</td>
<td>15.75 in (40 cm)</td>
</tr>
<tr>
<td>Unit Type of Package 3</td>
<td>P06</td>
</tr>
<tr>
<td>Number of Units in Package 3</td>
<td>800</td>
</tr>
<tr>
<td>Package 3 Weight</td>
<td>242.96 lb (US) (110.204 kg)</td>
</tr>
<tr>
<td>Package 3 Height</td>
<td>31.50 in (80 cm)</td>
</tr>
<tr>
<td>Package 3 width</td>
<td>31.50 in (80 cm)</td>
</tr>
<tr>
<td>Package 3 Length</td>
<td>23.62 in (60 cm)</td>
</tr>
</tbody>
</table>

### Offer Sustainability

- **Sustainable offer status**: Green Premium product
- **California proposition 65**: WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

### REACH Regulation
- **REACH free of SVHC**: Yes

### EU RoHS Directive
- **EU RoHS Directive**: Pro-active compliance (Product out of EU RoHS legal scope) [EU RoHS Declaration](#)

### Mercury free
- **Yes**

### RoHS exemption information
- **Yes**

### China RoHS Regulation
- [China RoHS Declaration](#)

### Environmental Disclosure
- [Product Environmental Profile](#)

### Circularity Profile
- [End Of Life Information](#)

### WEEE
- The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

### Contractual warranty

- **Warranty**: 18 months
Dimensions

![Diagrams showing dimensions](image-url)
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

<table>
<thead>
<tr>
<th>Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board</th>
<th>Connection by Faston Connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
</tr>
</tbody>
</table>

(1) Diameter on finished panel or support
(2) 40 mm min. / 1.57 in. min.
(3) 30 mm min. / 1.18 in. min.
(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm ±0.4 / 0.88 in. ±0.016)
(5) 45 mm min. / 1.78 in. min.
(6) 32 mm min. / 1.26 in. min.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

Panel Cut-outs (Viewed from Installer’s Side)

A: 30 mm min. / 1.18 in. min.
B: 40 mm min. / 1.57 in. min.
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm

A: 30 mm min.
B: 40 mm min.

Dimensions in in.

A: 1.18 in. min.
B: 1.57 in. min.

General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.3 mm / 0.012 in: \( T_1 + T_2 = 0.3 \text{ mm max.} \)

Installation Precautions

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB4 BZ009: ± 2° 30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 fixing collar/pillar and its fixing screws:
  - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - with each selector switch head (ZB4 BD*, ZB4 BJ*, ZB4 BG*).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.
Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.