Product datasheet

Specifications





Head for illuminated push button, Harmony XB4, metal, green flush, 22mm, universal LED, spring return, plan lens

Local distributor code:

237116631

ZB4BW333

Important message: Viktig information: en förändring i utseendet kan observeras på produkten, men detta påverkar inte dess användning i termer av funktion och säkerhet. Detta gör den kompatibel med våra Universal LED-block EAN Code: 3389110889802

Main

| Range Of Product | Harmony XB4 | |
|---------------------------------|----------------------------------|--|
| Product Or Component Type | Head for illuminated push-button | |
| Device Short Name | ZB4 | |
| Product Compatibility | Universal LED | |
| Bezel Material | Chromium plated metal | |
| Head Type | Standard | |
| Mounting Diamete | 22.5 mm | |
| Sale Per Indivisible Quantity | antity 1 | |
| Shape Of Signaling Unit Head | nit Head Round | |
| Type Of Operator | spring return | |
| Operator Profile | Green flush, unmarked | |
| Operator Additional Information | With plain lens | |
| Cap/Operator Or Lens Colour | Green | |

Complementary

| Cad Overall Width | 29 mm | |
|------------------------------------|---|--|
| Cad Overall Height | 29 mm | |
| Cad Overall Depth | 30 mm | |
| Net Weight | 0.026 kg | |
| Resistance To High Pressure Washer | 7000000 Pa at 55 °C, distance : 0.1 m | |
| Mechanical Durability | 10000000 cycles | |
| Electrical Composition Code | M1 for <6 contacts using single blocks in front mounting with integral LED M2 for <6 contacts using single and double blocks in front mounting with integral LED M6 for <2 contacts using single blocks in front mounting with integral LED and transformer M10 for <2 contacts using single blocks in front mounting with integral LED | |
| Device Presentation | Basic sub-assemblies | |

Environment

Protective Treatment

| Ambient Air Temperature For Storage | -4070 °C | |
|--|---|--|
| Ambient Air Temperature For Operation | -4070 °C | |
| Overvoltage Category | Class I conforming to IEC 60536 | |
| Ip Degree Of Protection | IP66 conforming to IEC 60529 IP67 IP69 IP69K | |
| Nema Degree Of Protection | Degree Of Protection NEMA 13 NEMA 4X | |
| Ik Degree Of Protection | IK06 conforming to IEC 62262 | |
| Standards | IEC 60947-5-5 UL 508 JIS C8201-5-1 IEC 60947-5-4 IEC 60947-1 CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-1 | |
| Product Certifications | GL BV LROS (Lloyds register of shipping) DNV UL listed CSA | |
| Vibration Resistance | 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6 | |
| Shock Resistance | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 | |

Packing Units

| r doking Office | | |
|------------------------------|---------------------|--|
| Unit Type Of Package 1 | PCE | |
| Number Of Units In Package 1 | 1 | |
| Package 1 Height | 4.500 cm | |
| Package 1 Width | 3.400 cm | |
| Package 1 Length | 5.400 cm | |
| Package 1 Weight | e 1 Weight 27.000 g | |
| Unit Type Of Package 2 | S03 | |
| Number Of Units In Package 2 | 300 | |
| Package 2 Height | 30.000 cm | |
| Package 2 Width | 30.000 cm | |
| Package 2 Length | 40.000 cm | |
| Package 2 Weight | 8.497 kg | |
| Unit Type Of Package 3 | P06 | |
| Number Of Units In Package 3 | 2400 | |
| Package 3 Height | 75.000 cm | |
| Package 3 Width | 60.000 cm | |
| Package 3 Length | 80.000 cm | |
| Package 3 Weight | 77.980 kg | |

Contractual warranty

Warranty

29 May 2024

18 months



Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

| ② | Reach Free Of Svhc | |
|----------|----------------------------|-----|
| | Toxic Heavy Metal Free | |
| ② | Mercury Free | |
| ⊘ | Rohs Exemption Information | Yes |

Certifications & Standards

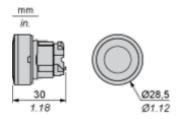
| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Product datasheet

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Dimensions Drawings

Dimensions

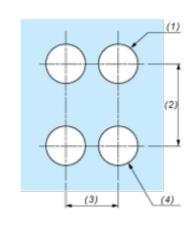


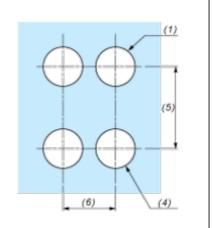
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board

Connection by Faston Connectors

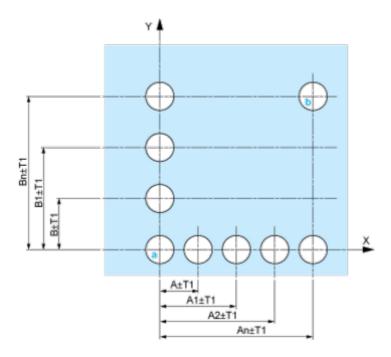




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

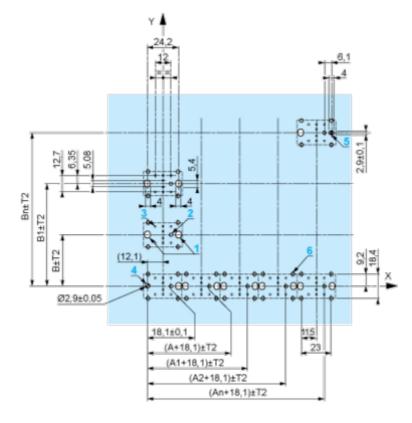
Panel Cut-outs (Viewed from Installer's Side)



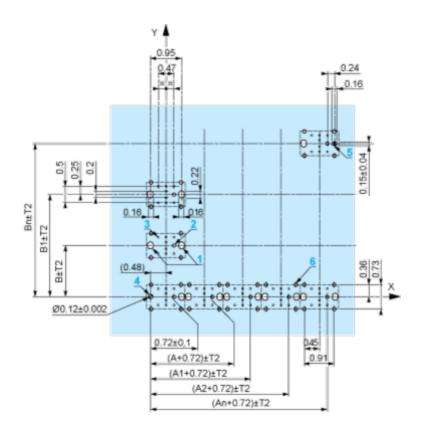
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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

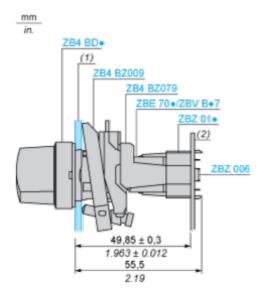
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

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:
 - $_{\circ}\;$ every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
 - o with each selector switch head (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

The fixing centers marked ${\bf a}$ and ${\bf b}$ are diagonally opposed and must align with those marked ${\bf 4}$ and ${\bf 5}$.

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- (1) Panel
- (2) Printed circuit board

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
- $_{ullet}$ 4 1 hole Ø 2.9 mm \pm 0.05 / 0.11 in. \pm 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•

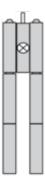
Dimensions An + 18.1 relate to the Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ 01•.

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Technical Description

Electrical Composition Corresponding to Codes M1 and M7



Electrical Composition Corresponding to Codes M2 and M8



Electrical Composition Corresponding to Codes M6 and P2



Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend

Single contact



Double contact



Light block



Possible location

