

Product datasheet

Specifications



Illuminated double-headed push button head, metal, Ø22, marked, 1 green flush I + 1 pilot light + 1 red projecting O

Local distributor code:

393374210

ZB4BW7L3741

EAN Code: 3389119043779

Main

Range of product	Harmony XB4
Product or component type	Head for illuminated double-headed push-button
Product compatibility	Integral LED
Device short name	ZB4
Bezel material	Chromium plated metal
Head type	Standard
Mounting diameter	22 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Rectangular
Type of operator	spring return
Operator profile	1 flush - 1 projecting push-buttons - 1 central pilot light
Operators description	Green "I" - red "O"

Complementary

CAD overall width	30 mm
CAD overall height	50 mm
CAD overall depth	30 mm
Net weight	0.056 kg
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
Colour of marking	White marking when green, red or black caps Black marking when white caps
Operator profile	Green flush, I (white) Red projecting, O (white)
Mechanical durability	1000000 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	TH
Ambient air temperature for storage	-40...70 °C

Ambient air temperature for operation	-40...70 °C
Electrical shock protection class	Class I conforming to IEC 61140
IP degree of protection	IP66 conforming to IEC 60529 IP69K IP69 conforming to IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK06 conforming to IEC 50102
Standards	IEC 60947-5-5 UL 508 CSA C22.2 No 14 IEC 60947-5-4 JIS C8201-5-1 IEC 60947-5-1 IEC 60947-1 JIS C8201-1
Product certifications	CSA LROS (Lloyds register of shipping) BV UL listed DNV
Vibration resistance	5 gn (f= 2...500 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.500 cm
Package 1 Width	3.300 cm
Package 1 Length	5.300 cm
Package 1 Weight	58.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	200
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	12.006 kg

Logistical informations

Country of origin	FR
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Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint 1

Use Better



Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation

[REACH Declaration](#)

Use Longer



Lifetime extension

Repair No

Use Again



Repack and remanufacture

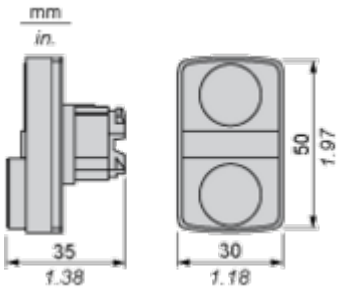
End of life manual availability [End of Life Information](#)

Take-back No

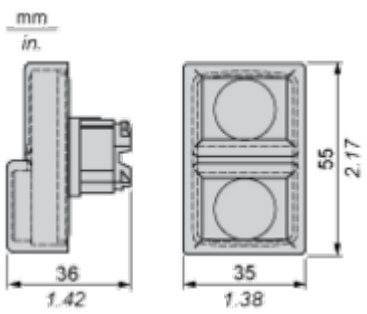
Dimensions Drawings

Dimensions

Without Boot



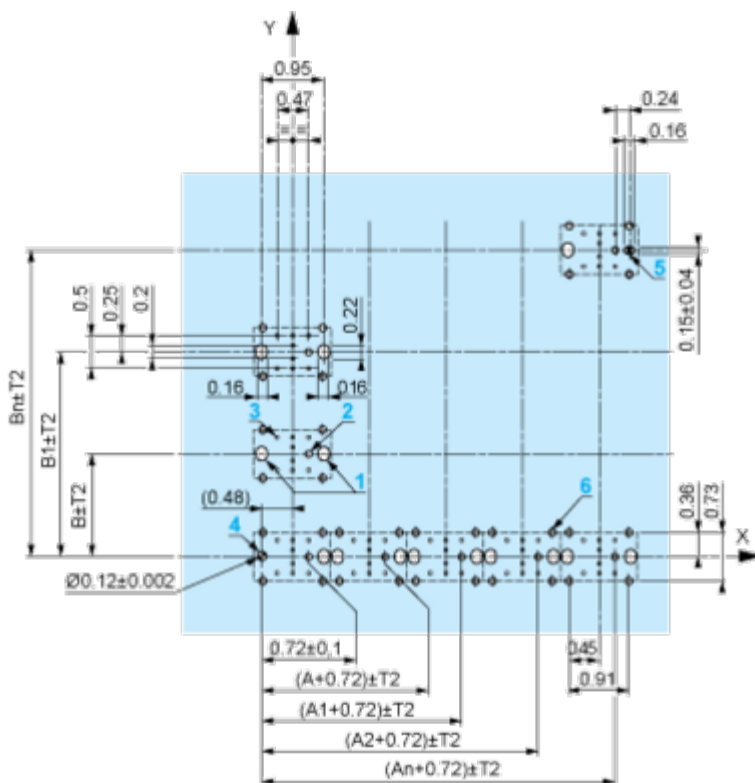
With Boot ZBA710



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



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:
 - 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.



(1) Panel

(2) Printed circuit board

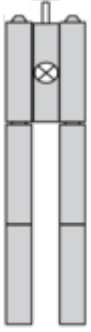
Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$ for centring adapter ZBZ 01•
- 3 $8 \times \varnothing 1.2 \text{ mm} / 0.05 \text{ in.}$ holes
- 4 1 hole $\varnothing 2.9 \text{ mm} \pm 0.05 / 0.11 \text{ in.} \pm 0.002$, 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 $\varnothing 2.4 \text{ mm} / 0.09 \text{ in.}$ for clipping in adapter ZBZ 01•

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

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

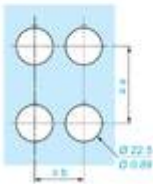
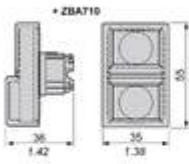
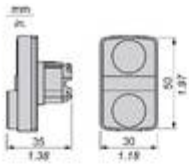


Possible location



Technical Illustration

Dimensions







		a (mm)	a (in.)	b (mm)	b (in.)
		40	1.57	30	1.18
ZB1*****	ZB1*****	45	1.77	32	1.26
ZB1*****5	ZB1*****3	40	1.57	30	1.18
ZB1*****4	ZB1*****4	50	1.97	30	1.18
ZB1*****5	ZB1*****5	40	1.57	30	1.18
ZB1*****9	ZB1*****9	40	1.57	30	1.18
ZBRT*	ZBRV1	40	1.57	30	1.18

Offer Marketing Illustration

Product benefits / Features

Features

Harmony XB4/XB5 Illuminated functions

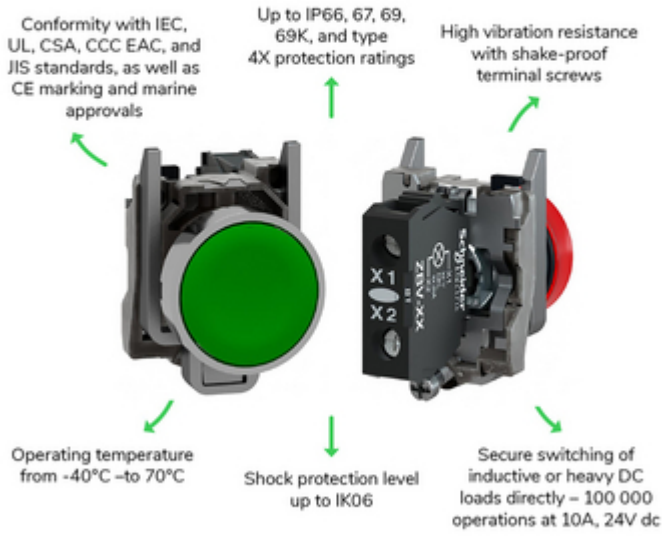
-  NEW universal LED Block for all colors
-  Simple stock management
-  Improved installation time and easy selection
-  Improved color intensity and brightness

Offer Marketing Illustration

Product benefits / Features

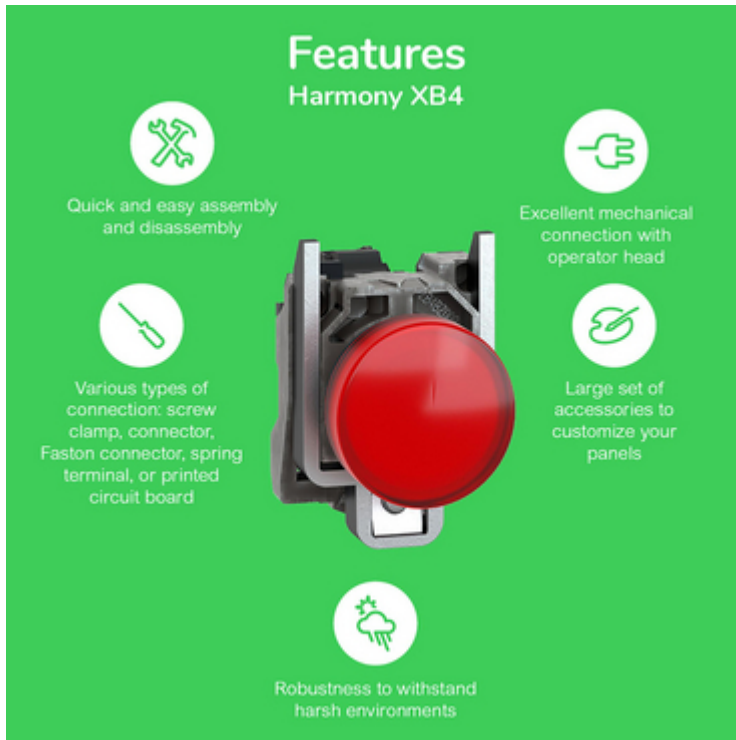
Technical Benefits

Harmony XB4



Offer Marketing Illustration

Product benefits / Features



The infographic features a central image of a red Schneider XB4 terminal block. It is surrounded by five circular icons, each with a corresponding text description of a feature. The background is a solid green color.

Features Harmony XB4

- Quick and easy assembly and disassembly** (Icon: crossed wrench and screwdriver)
- Excellent mechanical connection with operator head** (Icon: hand holding a screwdriver)
- Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board** (Icon: screwdriver)
- Large set of accessories to customize your panels** (Icon: screwdriver with a slash through it)
- Robustness to withstand harsh environments** (Icon: lightning bolt and rain cloud)

Image of product / Alternate images

Alternative



