Product data sheet

Specifications

red Ø40 Emergency switching off pushbutton head Ø22 latching key release

ZB4BS1414

ⓘ **Discontinued on:** Jan 29, 2021

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Main

Range of Product	Harmony XB4
Product or Component Type	Head for emergency switching off push-button
Device short name	ZB4
Bezel material	Chromium plated metal
Mounting diameter	0.9 in (22 mm)
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	mechanical latching
Reset	Key release
Operator profile	Red mushroom Ø 40 mm, unmarked
Type of Keylock	Key 520E
Key withdrawal position	Center
Head type	Standard

Complementary

CAD overall width	1.6 in (40 mm)
CAD overall height	1.6 in (40 mm)
CAD overall depth	3.1 in (79 mm)
Net Weight	0.15 lb(US) (0.07 kg)
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Mechanical durability	300000 cycles
Electrical composition code	C7 4 single front mounting C8 4 single and double front mounting C11 3 single front mounting C15 1 single front mounting C10 4 single and double front mounting

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 61140

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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IP degree of protection	IP66 IEC 60529
	IP67
	IP69
	IP69K

NEMA degree of protection	NEMA 13
	NEMA 4X
	NEMA 4
	NEMA 12

IK degree of protection	IK03 conforming to IEC 50102

Standards	IEC 60364-5-53
	EN/IEC 60947-5-1
	GB 14048.5
	JIS C8201-5-1
	EN/IEC 60947-1
	CSA C22.2 No 14
	EN/IEC 60947-5-4
	UL 508
	JIS C8201-1

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

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	3389110122817

Returnability	No

Country of origin	CZ

Contractual warranty

Warranty	18 months

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Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.
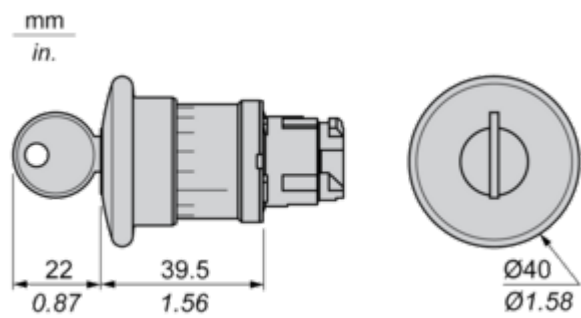
Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information   Yes

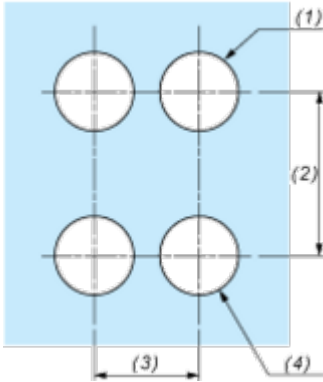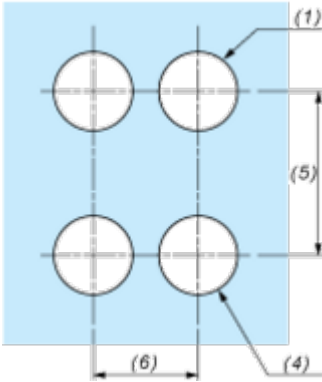|	
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
California Proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Dimensions

mm
in.

22
0.87

39.5
1.56

Ø40
Ø1.58

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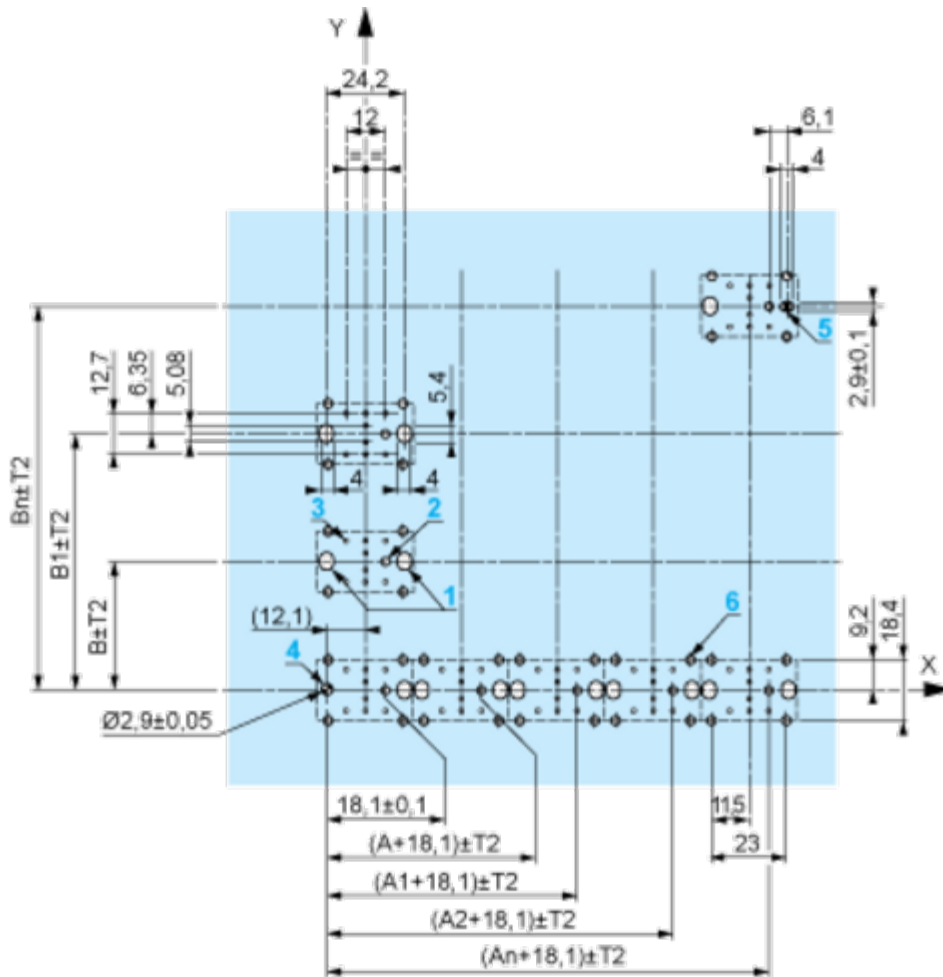
Panel Cut-outs (Viewed from Installer's Side)

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:
  - 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 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**)
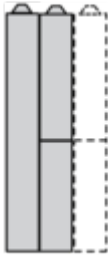- **6** 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

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

Technical Description

Electrical Composition Corresponding to Code C7

Electrical Compositions Corresponding to Code C8

Electrical Compositions Corresponding to Code C10

Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1
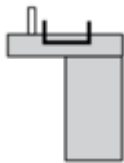
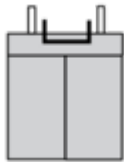**Electrical Composition Corresponding to Code C15**

1 N/O

1 N/C

1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C

Legend

Single contact

Double contact

Light block

Possible location