



Product availability: Stock - Normally stocked in distribution facility



### Main

Range of product	Harmony XB5
Product or component type	Head
Product destination	Emergency stop push-button
Device short name	ZB5
Bezel material	Plastic
Head type	Standard
Mounting diameter	0.87 in (22 mm)
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Trigger action and mechanical latching
Reset	Turn to release
Operator profile	Red mushroom Ø 60 mm unmarked

### Complementary

CAD overall width	2.36 in (60 mm)
CAD overall height	2.36 in (60 mm)
CAD overall depth	2.24 in (57 mm)
Mechanical durability	300000 cycles
Station name	XALD 1 cut-out XALK 1 cut-out
Electrical composition code	C15 1 contacts using single blocks in front mounting C11 3 contacts using single blocks in front mounting SF1 3 contacts using single blocks in front mounting C7 4 contacts using single blocks in front mounting C8 4 contacts using single and double blocks in front mounting C10 4 contacts using single and double blocks in front mounting SR1 3 contacts using single blocks in rear 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)
Overvoltage category	Class II conforming to IEC 60536
IP degree of protection	IP69 IP67 IP66 conforming to IEC 60529 IP69K
NEMA degree of protection	NEMA 13 NEMA 4X
Resistance to high pressure washer	1015.26 psi (7000000 Pa) at 131 °F (55 °C), distance: 0.1 m
IK degree of protection	IK03 conforming to IEC 50102

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Standards	EN/IEC 60204-1 EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 EN/ISO 13850 IEC 60364-5-53 JIS C 4520 UL 508 GB 14048.5 CSA C22.2 No 14
Product certifications	BV CSA DNV GL LROS (Lloyds register of shipping) RINA UL listed
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27

### Ordering and shipping details

Category	22467 - PUSHBUTTONS,22MM(PLASTIC) NEW
Discount Schedule	CS2
GTIN	00785901975960
Nbr. of units in pkg.	1
Package weight(Lbs)	0.12
Returnability	Y
Country of origin	CZ

### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0810 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Nickel compounds, which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

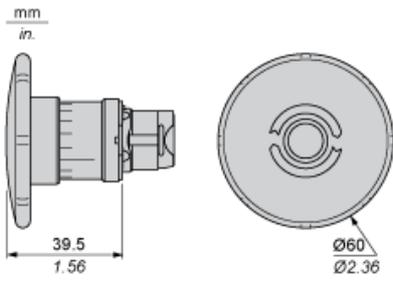
### Contractual warranty

Warranty period	18 months 18 months
-----------------	---------------------

---

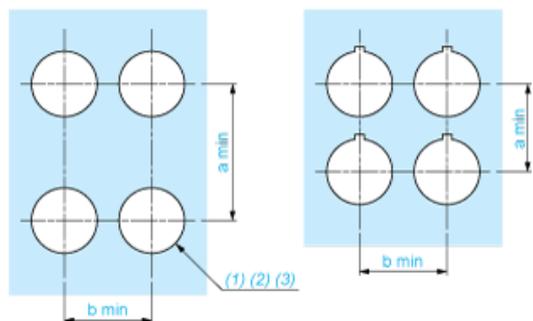
Dimensions

---



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

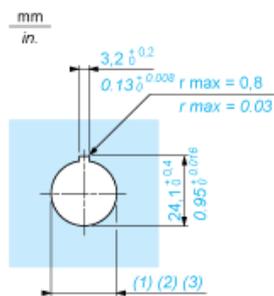
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

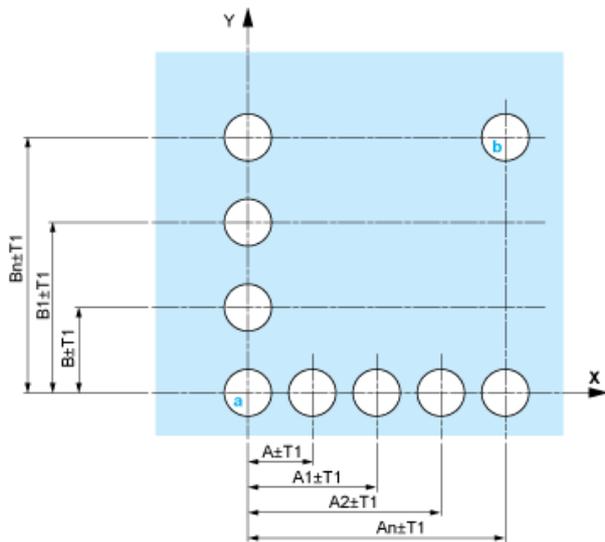
Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

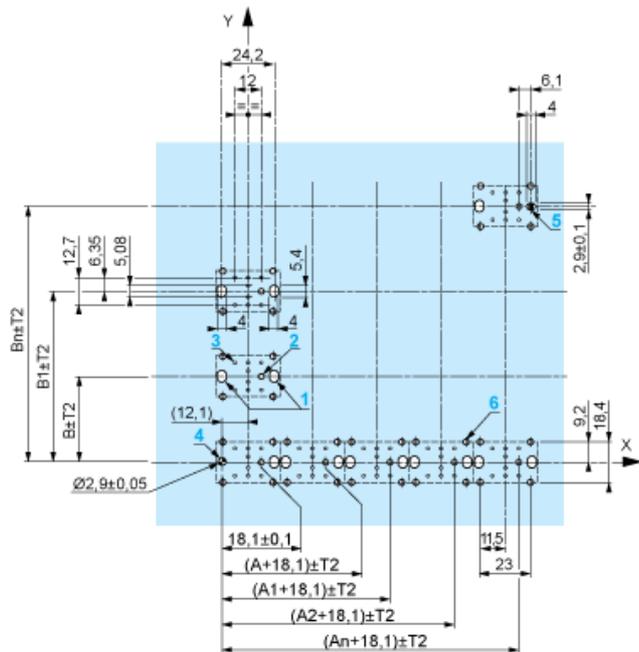
### Panel Cut-outs (Viewed from Installer's Side)



- 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.



## Mounting of Adapter (Socket) ZBZ01•

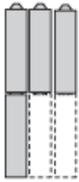
- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ01•
- 3 8  $\times$   $\varnothing$  1.2 mm / 0.05 in. holes
- 4 1 hole  $\varnothing$  2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed 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  $\varnothing$  2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

Dimensions An + 18.1 relate to the  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ01•.

---

Electrical Composition Corresponding to Code C7

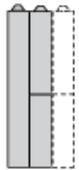
---



---

Electrical Compositions Corresponding to Code C8

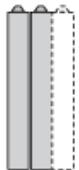
---



---

Electrical Compositions Corresponding to Code C10

---



---

Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

---

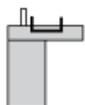


---

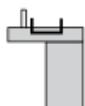
Electrical Composition Corresponding to Code C15

---

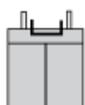
1 N/O



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



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Emergency Stop Switches / E-Stop Switches](#) category:*

*Click to view products by [Schneider](#) manufacturer:*

Other Similar products are found below :

[84-6830.0020](#) [AVN302N-R](#) [3050.1302Y](#) [44-710](#) [84-6841.2B20](#) [ZA2BV05](#) [951FY000-WO](#) [ER6022-022N](#) [952+2000-00](#) [ES3S51653001](#)  
[601+0000-OP](#) [E100-A2A22S05A](#) [XCSEA802](#) [XCSB502](#) [2TLA030051R0100](#) [D2D 1009M](#) [D2D 1013H](#) [AZM 170SK-02ZRKA 24VAC/DC](#)  
[84-5141-2B40](#) [84-6820.0020A](#) [84-6820.0040](#) [XY2CH13250H29](#) [XCSDMR590L01M12](#) [XCSTA892](#) [XCSMP80L5](#) [FB1W-HW1B-M220B](#)  
[FB1W-HW1B-X401R](#) [84-5221.2B20](#) [AYD311NUS](#) [AZM KEY \(M5\)](#) [AZ 17/170-B15](#) [AZM 161SK-12/12RKA-110/230](#) [AZM 415-](#)  
[11/11ZPK 24VAC/DC](#) [AZM 415-11/11ZPKA 24VAC/DC](#) [AZM 161-B1S](#) [AZ 15/16-B1-2245](#) [AZ 17/170-B11](#) [AZ 17-11ZI B5](#) [BNS 40S-12Z](#)  
[10,0M](#) [AZ 16-02ZVRK-ST](#) [AZ/AZM 415-B2](#) [AZ/AZM 415-B3](#) [MZM 100-B1.1](#) [A-K8P-M12-S-G-5M-BK-2-X-A-4-69](#) [A-K8P-M12-S-G-](#)  
[10M-BK-2-X-A-4-69](#) [A-K5P-M12-S-G-10M-BK-2-X-A-4-69](#) [A-K4P-M12-S-G-2M-BK-2-X-A-4-69](#) [SK-BETÄTIGER M3](#) [SK-BET.M4 KPL.](#)  
[M.KAP.](#) [BETÄTIGER A1 KPL.](#)