

ZB5AF

knurled pushbutton head Ø22 push-turn release
without cap



Main

Range of product	Harmony XB5
Product or component type	Head for non-illuminated push-button
Device short name	ZB5
Bezel material	Plastic
Mounting diameter	22 mm
Head type	Standard
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Latching turn to release
Operator profile	Without cap

Complementary

CAD overall width	29 mm
CAD overall height	29 mm
CAD overall depth	62 mm
Product weight	0.027 kg
Resistance to high pressure washer	7000000 Pa at 55 °C, distance: 0.1 m
Mechanical durability	500000 cycles
Station name	XALD 1...5 cut-outs XALK 2...5 cut-outs
Electrical composition code	C15 for 1 contacts using single blocks in front mounting C15 for 1 contacts using single blocks in front mounting SF1 for 3 contacts using single blocks in front mounting C12 for 6 contacts using single blocks in front mounting C13 for 6 contacts using single and double blocks in front mounting SR1 for 3 contacts using single blocks in rear mounting
Customizable	No

Environment

protective treatment	TH
ambient air temperature for storage	-40...70 °C
ambient air temperature for operation	-25...70 °C
electrical shock protection class	Class II conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK03 conforming to IEC 50102
standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 JIS C 4520 UL 508 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

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.

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

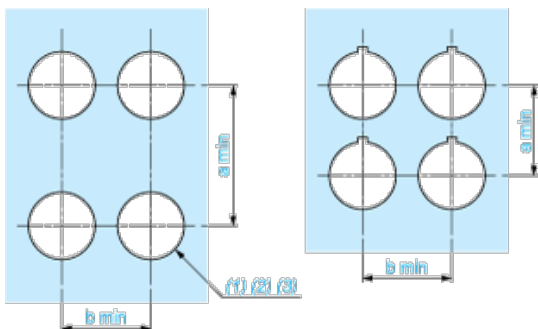
Contractual warranty

Warranty period

18 months 18 months

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

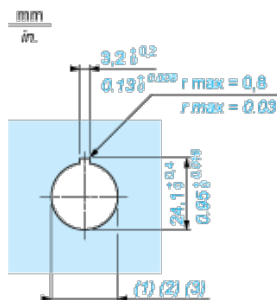
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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) Ø22.5 mm recommended ($\text{Ø}22.3_{0}^{+0.4}$) / Ø0.89 in. recommended ($\text{Ø}0.88_{0}^{+0.016}$)

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

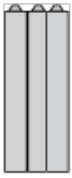


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Electrical Composition Corresponding to Code C12

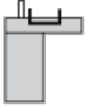


Electrical Composition Corresponding to Code C13

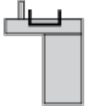


Electrical Composition Corresponding to Code C15

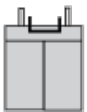
1 N/O



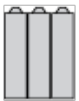
1 N/C



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



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



Legend

Single contact



Double contact



Light block



Possible location

