Product availability: Stock - Normally stocked in distribution facility



Main	
Range of product	Harmony XB5
Product or component type	Head for pilot light
Product compatibility	BA 9s
Device short name	ZB5
Bezel material	Plastic
Mounting diameter	0.87 in (22 mm)
Head type	Standard
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Cap/operator or lens colour	White
Operator additional in-	With plain lens

Complementary

CAD overall width	1.14 in (29 mm)	
CAD overall height	1.14 in (29 mm)	
CAD overall depth	1.22 in (31 mm)	
Product weight	0.04 lb(US) (0.018 kg)	
Station name	XALD 15 cut-outs XALK 25 cut-outs	
Electrical composition code	P3 in front mounting with BA 9s P4 in front mounting with BA 9s and transformer PF2 in front mounting with BA 9s	

formation

Environment

60068-2-27 50 gn (duration = 11 ms) half sine wave acceleration conforming to IE	Environment	
Ambient air temperature for operation -40158 °F (-4070 °C) Overvoltage category Class II IEC 60536 IP degree of protection IP69 conforming to IEC 60529 IP69K conforming to IEC 60529 IP66C conforming to IEC 60529 IP67 conforming to IEC 60529 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 IK05 conforming to IEC 50102 Standards JIS C 4520 EN/IEC 60947-5-4 EN/IEC 60947-5-1 EN/IEC 60947-5-1 EN/IEC 60947-5-1 EN/IEC 60947-5-1 EN/IEC 60947-5-5 CSA C22.2 No 14 Vibration resistance 5 gn (f = 2500 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	Protective treatment	TH
Overvoltage category Class II IEC 60536 IP degree of protection IP69 conforming to IEC 60529	Ambient air temperature for storage	-40158 °F (-4070 °C)
IP degree of protection IP69 conforming to IEC 60529 IP68K conforming to IEC 60529 IP67 conforming to IEC 60529 IP67 conforming to IEC 60529 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 IK05 conforming to IEC 50102 Standards JIS C 4520 EN/IEC 60947-5-4 EN/IEC 60947-5-1 EN/IEC 60947-5-1 EN/IEC 60947-5-5 CSA C22.2 No 14 Vibration resistance 5 gn (f = 2500 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	Ambient air temperature for operation	-40158 °F (-4070 °C)
IP69K conforming to ISO 20653 IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP67 conforming to IEC 60529 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 IK05 conforming to IEC 50102 Standards JIS C 4520 EN/IEC 60947-5-4 EN/IEC 60947-5-1 EN/IEC 60947-5-1 EN/IEC 60947-5-1 EN/IEC 60947-5-5 CSA C22.2 No 14 Vibration resistance 5 gn (f = 2500 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 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 So gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-20 So gn (duration = 11 ms) half sine wave acc	Overvoltage category	Class II IEC 60536
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 IK05 conforming to IEC 50102 Standards JIS C 4520	IP degree of protection	IP69K conforming to ISO 20653 IP66 conforming to IEC 60529
IK degree of protection	NEMA degree of protection	· · - · · · · · · · · · · · · · · · · ·
Standards	Resistance to high pressure washer	1015.26 psi (7000000 Pa) at 131 °F (55 °C),distance: 0.1 m
EN/IEC 60947-5-4 EN/IEC 60947-5-1 EN/IEC 60947-1 UL 508 EN/IEC 60947-5-5 CSA C22.2 No 14 Vibration resistance 5 gn (f = 2500 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	IK degree of protection	IK05 conforming to IEC 50102
Shock resistance 30 gn (duration = 18 ms) half sine wave acceleration conforming to IE 60068-2-27 50 gn (duration = 11 ms) half sine wave acceleration conforming to IE 60068-2-27	Standards	EN/IEC 60947-5-4 EN/IEC 60947-5-1 EN/IEC 60947-1 UL 508 EN/IEC 60947-5-5
60068-2-27 50 gn (duration = 11 ms) half sine wave acceleration conforming to IE	Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6
00000-2-27	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	00785901908050
Nbr. of units in pkg.	1
Package weight(Lbs)	2.99999999999999E-2
Returnability	Υ
Country of origin	FR

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

Product data sheet Dimensions Drawings

ZB5AV01

Dimensions

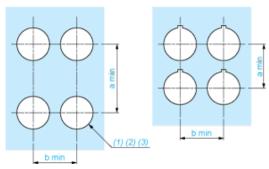




ZB5AV01

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

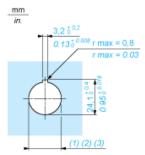
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

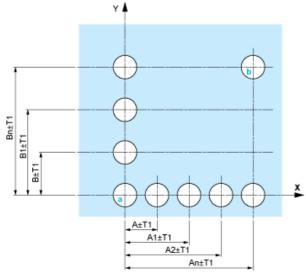
Detail of Lug Recess



- (1) Diameter on finished panel or support
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- Ø22.5 mm recommended (Ø22.3 $_0$ ^{+0.4}) / Ø0.89 in. recommended (Ø0.88 in. $_0$ ^{+0.016})

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

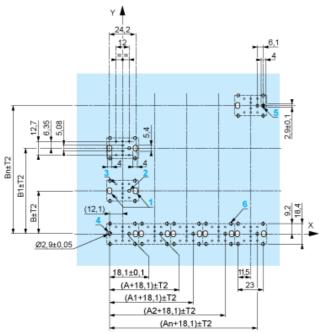
Panel Cut-outs (Viewed from Installer's Side)



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.

Dimensions in in.



A: 1.18 in. min. B: 1.57 in. min.

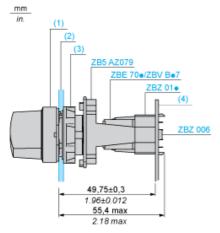
General Tolerances of the Panel and Printed Circuit Board

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 ZB5AZ009: ± 2°30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB5AZ079 fixing collar/pillar and its fixing screws:
 - o every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
 - o with each selector switch head (ZB5AD•, ZB5AJ•, ZB5AG•).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



- (1) Head ZB5AD•
- (2) Panel
- (2) Nut
- (4) Printed circuit board

Mounting of Adapter (Socket) ZBZ01•

- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 for centring adapter ZBZ01•
- 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 ZBZ01•

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

Product data sheet Technical Description

ZB5AV01

Electrical Composition Corresponding to Codes P1, P3, PF1, PR1 and PF2
Licha Manta
Light block
Electrical Composition Corresponding to Code P4
Legend
Single contact
Double contact
Light block
Possible location

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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G6083 9PA24 A0107X A019307 ADC-418G 12MA7 ASDHHY-B HW1F-3G HW1M-L2222 HW4S-31L 200-.704-00 JS-10008 JS
10083 JS-10118 JS-10133 JS-10277 JS-10389 JS-150 JS-552 JS-555 JS-68 JS-6-B JS-91 JS-94 22-211.011 9001KXSDC 92-458.500

SAPT654133 2PA3 SW53AA2 302561 LW2L-A0 3E-10.4 468-10243-001 51-030.005 JM-13 JS-10120 JS-138-B