Product data sheet Characteristics

ZB5AW353

orange flush illuminated pushbutton head Ø22 spring return for integral LED



Main

Main		v Q
Range of product	Harmony XB5	
Product or component type	Head for illuminated push-button	La
Device short name	ZB5	
Product compatibility	Integral LED	
Bezel material	Plastic	s S
Mounting diameter	22 mm	
Sale per indivisible quantity	1	 g
Head type	Standard	t t
Shape of signaling unit head	Round	
Type of operator	Spring return	an Line and the second
Operator profile	Orange flush unmarked	
Operator additional information	With plain lens	

Complementary

•	•	
Complementary		
CAD overall width	29 mm	
CAD overall height	29 mm	
CAD overall depth	30 mm	
Product weight	0.017 kg	
Resistance to high pressure washer	7000000 Pa at 55 °C,distance: 0.1 m	
Mechanical durability	1000000 cycles	
Station name	XALD 15 cut-outs XALK 25 cut-outs	
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 M10 for <= 2 contacts using single blocks in front mounting with integral LED M6 for <= 2 contacts using single blocks in front mounting with integral LED MF1 for <= 2 contacts using single blocks in front mounting with integral LED MF1 for <= 2 contacts using single blocks in front mounting with integral LED MR1 for <= 2 contacts using single blocks in rear mounting with integral LED		
Environment		

Environment

Protective treatment	TC	This
Ambient air temperature for storage	-4070 °C	mer:
Ambient air temperature for operation	-4070 °C	Disclai

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	
IK degree of protection	IK05 conforming to EN 50102	
Standards	CSA C22.2 No 14 GB 14048.5 EN/IEC 60947-5-4 JIS C 4520 EN/IEC 60947-5-1 EN/IEC 60947-1 UL 508	
Product certifications	UL listed LROS (Lloyds register of shipping) BV RINA GL CSA DNV	
Vibration resistance	5 gn (f = 2500 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	

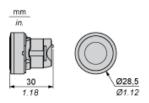
Contractual warranty

Warranty period

18 months

Product data sheet Dimensions Drawings ZB5AW353

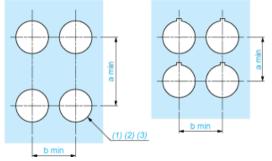
Dimensions



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

ZB5AW353

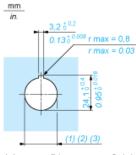
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) (3) 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

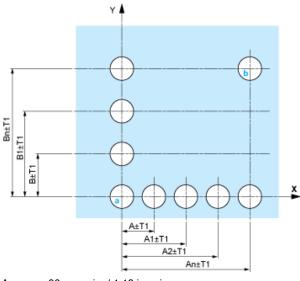


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ZB5AW353

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

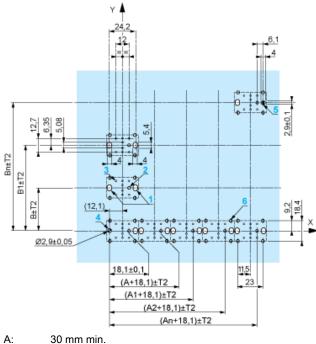




- A: 30 mm min. / 1.18 in. min.
- B: 40 mm min. / 1.57 in. min.

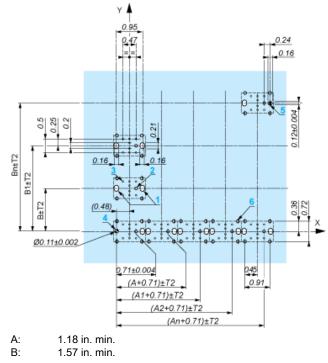
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



B: 40 mm min.

Life Is On Schneider



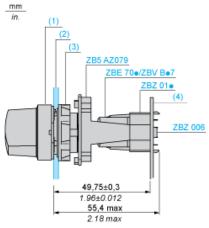
General Tolerances of the Panel and Printed Circuit Board

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:
 - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
 - 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) (2) (2) Head ZB5AD•
- Panel
- 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 ± 0.05 / 0.09 in. ± 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 ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.