

# Product data sheet Characteristics

# ZB5AW913

Head for illuminated push button, Harmony XB5, white flush, 22mm, universal LED, spring return, illuminated ring

	Range of product	Range of product Harmony XB5			
	Product or component type	Head for illuminated push-button			
	Device short name	ZB5			
	Product compatibility	Universal LED			
	Bezel material	Dark grey plastic			
	Mounting diameter				
	Sale per indivisible quantity	1			
- Alas	Head type	Standard			
	Shape of signaling unit head	Round			
	Type of operator	Spring return			
	Operator profile	White flush, unmarked			
	Operator additional information	With illuminated ring			
complementary					
CAD overall width	29 mm	29 mm			
AD overall height	29 mm	29 mm			
CAD overall depth	30 mm				
let weight	0.016 kg	0.016 kg			
Resistance to high pressure washer	7000000 Pa at 55 °C, dis	7000000 Pa at 55 °C, distance : 0.1 m			
lechanical durability	10000000 cycles	1000000 cycles			
lain group	Illum push-button	Illum push-button			
Group of product	Flush push with ring illum	Flush push with ring illum LED			
tation name	XALD 15 cut-outs XALK 25 cut-outs				
Cap/operator or lens colour	White				
larking	Unmarked				
lectrical composition code	M2 for <6 contacts using LED M6 for <2 contacts using transformer M10 for <2 contacts using MF1 for <2 contacts using	M6 for <2 contacts using single blocks in front mounting with integral LED and			
Device presentation	Basic sub-assemblies	Basic sub-assemblies			

## Environment

Entrionit	
Protective treatment	TC
Ambient air temperature for storage	-4070 °C
Ambient air temperature for operation	-4070 °C
Overvoltage category	Class II conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529 IP67



NEMA degree of protection	NEMA 13		
	NEMA 4X		
IK degree of protection	IK05 conforming to IEC 62262		
Standards	IEC 60947-5-4		
	UL 508		
	GB 14048.5		
	IEC 60947-1		
	IEC 60947-5-1		
	JIS C8201-5-1		
	CSA C22.2 No 14		
	JIS C8201-1		
Product certifications	LROS (Lloyds register of shipping)		
	[RETURN]DNV[RETURN]BV[RETURN]CSA[RETURN]UL listed[RETURN]GL		
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		

# Packing Units

0	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.000 cm
Package 1 Width	4.500 cm
Package 1 Length	5.500 cm
Package 1 Weight	18.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	75
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.494 kg
Unit Type of Package 3	P06
Number of Units in Package 3	2400
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	55.808 kg

# Offer Sustainability

REACh Regulation	REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) CEU RoHS	
China RoHS Regulation	China RoHS Declaration	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	Part of Life Information	

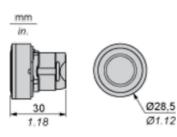
## Contractual warranty

Warranty

18 months

Product data sheet Dimensions Drawings ZB5AW913

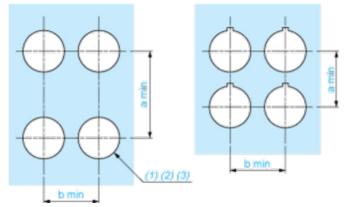
## Dimensions



# ZB5AW913

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

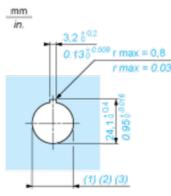
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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 (Ø22.3  $_0$  <sup>+0.4</sup>) / Ø0.89 in. recommended (Ø0.88 in.  $_0$  <sup>+0.016</sup>)

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) Ø22.5 mm recommended (Ø22.3  $_0$  <sup>+0.4</sup>) / Ø0.89 in. recommended (Ø0.88 in.  $_0$  <sup>+0.016</sup>)

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

#### Life Is On Schneider

#### 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:
  - 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.



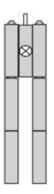
#### Mounting of Adapter (Socket) ZBZ01•

- 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•
- 38 × 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•

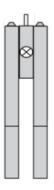
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.

# ZB5AW913

## Electrical Composition Corresponding to Codes M1 and M7



Electrical Composition Corresponding to Codes M2 and M8



### Electrical Composition Corresponding to Codes M6 and P2



## Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



### Legend

Single contact

Double contact

Light block

#### Possible location

