# **Product data sheet**

Specifications





Head for illuminated push button, Harmony XB5, red square square flush 22mm, universal LED, for insertion of legend

ZB5CW343

Product availability: Non-Stock - Not normally stocked in distribution facility

Important message: A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks

Price\*: 27.00 USD

#### Main

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	0.87 in (22 mm)
Sale Per Indivisible Quantity	1
Head Type	Standard
Shape Of Signaling Unit Head	Square
Type Of Operator	spring return
Operator Profile	Red flush, unmarked
Operator Additional Information	For insertion of legend

## Complementary

Cad Overall Width	1.18 in (30 mm)			
Cad Overall Height	1.18 in (30 mm)			
Cad Overall Depth	1.18 in (30 mm)			
Net Weight	0.05 lb(US) (0.023 kg)			
Resistance To High Pressure Washer	1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m			
Mechanical Durability	10000000 cycles			
Main Group	Illum push-button			
Group Of Product	Flush push with inser of legend			
Station Name	XALD 15 cut-outs XALK 25 cut-outs			
Cap/Operator Or Lens Colour	Red			
Marking	Unmarked			

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Electrical Composition Code	M1 6 single front mounting integral LED M2 6 single and double front mounting integral LED M6 2 single front mounting integral LED and transformer M10 2 single front mounting integral LED MF1 2 single front mounting integral LED MR1 2 single front mounting integral LED
Device Presentation	Basic element

# **Environment**

Protective Treatment	TC	
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)	
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)	
Overvoltage Category	Class II IEC 60536	
Ip Degree Of Protection IP66 IEC 60529		
Nema Degree Of Protection	NEMA 13 NEMA 4X	
Ik Degree Of Protection	IK05 conforming to EN 50102	
Standards	EN/IEC 60947-1 CSA C22.2 No 14 GB 14048.5 JIS C8201-5-1 EN/IEC 60947-5-4 UL 508 EN/IEC 60947-5-1 JIS C8201-1	
Product Certifications	GL LROS (Lloyds register of shipping) UL Listed CSA BV DNV	
Vibration Resistance	5 gn 2500 Hz)IEC 60068-2-6	
Shock Resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27	

# Ordering and shipping details

Category	US10CS222467
Discount Schedule	0CS2
Gtin	3389110934847
Returnability	No
Country Of Origin	FR

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.34 in (3.4 cm)
Package 1 Width	1.73 in (4.4 cm)
Package 1 Length	2.09 in (5.3 cm)
Package 1 Weight	0.67 oz (19 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5

Package 2 Height	1.34 in (3.4 cm)
Package 2 Width	1.73 in (4.4 cm)
Package 2 Length	10.43 in (26.5 cm)
Package 2 Weight	3.46 oz (98 g)
Unit Type Of Package 3	S02
Number Of Units In Package 3	150
Package 3 Height	5.91 in (15 cm)
Package 3 Width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	7.20 lb(US) (3.264 kg)

# **Contractual warranty**

Warranty 18 months

# Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

## Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>⊘</b>	Toxic Heavy Metal Free	
<b>⊘</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

### **Certifications & Standards**

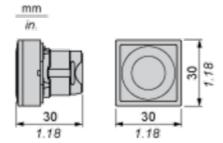
Reach Regulation	REACh Declaration				
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration				
China Rohs Regulation	China RoHS declaration				
Environmental Disclosure	Product Environmental Profile				
Circularity Profile	End of Life Information				
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov				

# Product data sheet

# **ZB5CW343**

# **Dimensions Drawings**

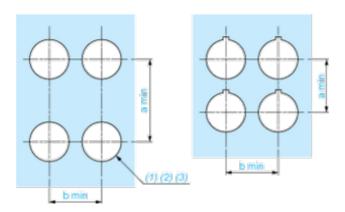
## **Dimensions**



#### Mounting and Clearance

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

#### 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  $_0^{+0.4}$ ) / Ø0.89 in. recommended (Ø0.88 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

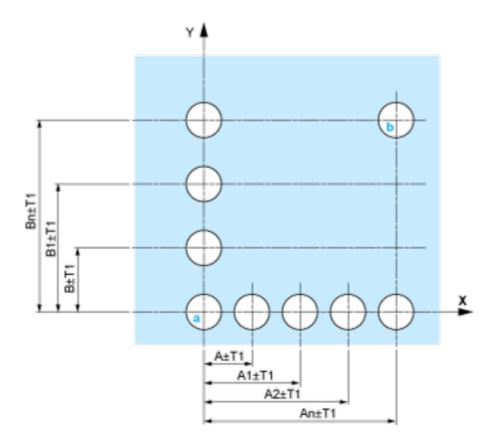
#### **Detail of Lug Recess**



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

## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

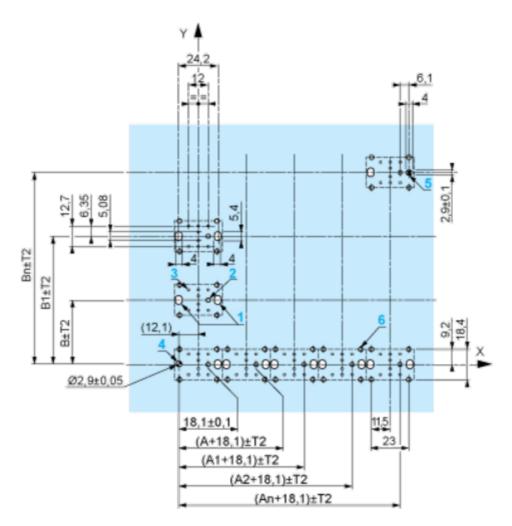
#### Panel Cut-outs (Viewed from Installer's Side)



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

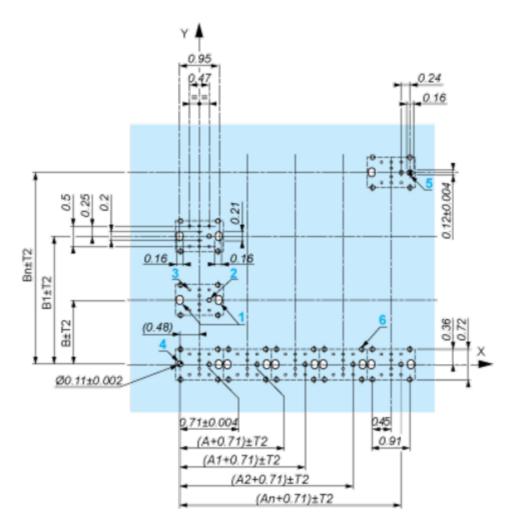
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

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

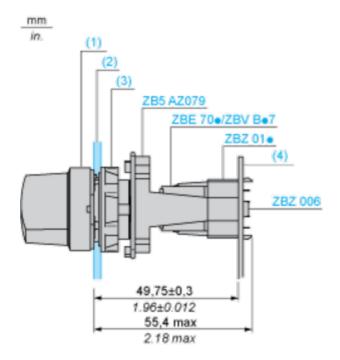
The cumulative tolerance must not exceed 0.3 mm / 0.012 in.: T1 + T2 = 0.3 mm max.

#### **Installation Precautions**

- $_{\bullet}$  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:
  - $_{\circ}~$  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.

### **ZB5CW343**



- (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 ± 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•

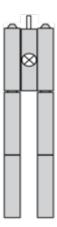
Dimensions An + 18.1 relate to the Ø 2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ01•.

# **Product data sheet**

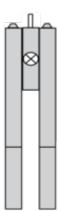
# **ZB5CW343**

**Technical Description** 

**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

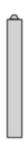


## Legend

Single contact



Double contact



Light block



Possible location

