# **Product data sheet**

Specification





# Single contact block with body fixing collar, Harmony XB5, plastic, screw clamp terminal, 1NO+2NC

ZB5AZ141

Product availability: Stock - Normally stocked in distribution

Price\*: 55.00 USD

#### Main

Range of Product	Harmony XB5		
Product or Component Type	Complete body/contact assembly		
Device short name	ZB5		
Fixing collar material	Plastic		
Sale per indivisible quantity	per indivisible quantity 1		
Head type	Standard		
Contacts type and composition 1 NO + 2 NC			
Contact operation Slow-break			
Contact block type	Single		
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1		

## Complementary

CAD overall width	1.2 in (30 mm)	
CAD overall height	1.7 in (42 mm)	
CAD overall depth	1.3 in (32 mm)	
Terminals description ISO n°1	(11-12)NC (3-4)NO	
Net Weight	0.09 lb(US) (0.04 kg)	
Device Composition	Fixing collar Body	
Contacts usage	Standard contacts	
Positive opening	With IEC 60947-5-1 appendix K	
Operating travel	0.06 in (1.5 mm) NC changing electrical state) 0.1 in (2.6 mm) NO changing electrical state) 0.2 in (4.3 mm) total travel)	
Mechanical durability	10000000 cycles	
Tightening torque	7.0810.6 lbf.in (0.81.2 N.m) IEC 60947-1	
Shape of screw head	Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm	
Contacts material	Silver alloy (Ag/Ni)	
Short-circuit protection	10 A cartridge fuse gG IEC 60947-5-1	

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

[Ith] conventional free air thermal current	10 A IEC 60947-5-1
[Ui] rated insulation voltage	600 V 3)IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1
[le] rated operational current	3 A 240 V, AC-15, A600 IEC 60947-5-1 6 A 120 V, AC-15, A600 IEC 60947-5-1 0.1 A 600 V, DC-13, Q600 IEC 60947-5-1 0.27 A 250 V, DC-13, Q600 IEC 60947-5-1 0.55 A 125 V, DC-13, Q600 IEC 60947-5-1 1.2 A 600 V, AC-15, A600 IEC 60947-5-1
Electrical durability	1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda$ < 10exp(-6) 5 V, 1 mA in clean environment IEC 60947-5-4 $\Lambda$ < 10exp(-8) 17 V, 5 mA in clean environment IEC 60947-5-4
device presentation	Basic sub-assemblies

## **Environment**

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Ambient Air Temperature for Storage	-40.0000000000158.0000000000 °F (-4070 °C)			
Ambient Air Temperature for Operation	-40.0000000000158.0000000000 °F (-4070 °C)			
IP degree of protection	ree of protection IP20 IEC 60529			
Standards	IEC 60947-5-1 IEC 60947-1 CSA C22.2 No 14 UL 508 JIS C8201-5-1 IEC 60947-5-4 JIS C8201-1			
Product Certifications	BV GL UL LROS (Lloyds register of shipping) DNV CSA			
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	US10CS222469
Discount Schedule	0CS2
GTIN	3389110925838
Returnability	Yes
Country of origin	US

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.8 in (4.5 cm)
Package 1 Width	1.3 in (3.4 cm)

Package 1 Length	2.1 in (5.4 cm)
Package 1 Weight	1.3 oz (38.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	300
Package 2 Height	11.8 in (30 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	26.381 lb(US) (11.966 kg)

## **Contractual warranty**

Warranty 18 months

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

#### **Certifications & Standards**

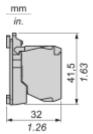
Reach Regulation	REACh Declaration			
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration			
China Rohs Regulation	China RoHS declaration			
Environmental Disclosure	Product Environmental Profile			
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.			
Circularity Profile	End of Life Information			
California Proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov			

## **Product data sheet**

## **ZB5AZ141**

## **Dimensions Drawings**

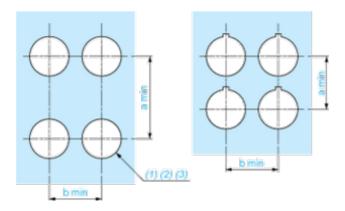
#### **Dimensions**



#### Mounting and Clearance

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

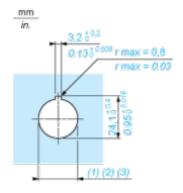
#### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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.  $_0^{+0.016}$ )

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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.  $_0^{+0.016}$ )