Product data sheet

Specification





Illuminated push button, Harmony XB5, plastic, flush, green, 22mm, universal LED, plain lens, 1NO + 1NC, 110...120V AC

XB5AW33G5

Main

Range Of Product	Harmony XB5
Product Or Component Type	Illuminated push-button
Device Short Name	XB5
Bezel Material	Dark grey plastic
Fixing Collar Material	Plastic
Head Type	Standard
Mounting Diamete	0.89 in (22.5 mm)
Sale Per Indivisible Quantity	1
Shape Of Signaling Unit Head	Round
Type Of Operator	spring return
Operator Profile	Green flush, unmarked
Operator Additional Information	With plain lens
Contacts Type And Composition	1 NO + 1 NC
Contact Operation	Slow-break
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.222 x 2.5 mm² without cable end IEC 60947-1
Light Source	Universal LED
Bulb Base	Integral LED
[Us] Rated Supply Voltage	110120 V AC 50/60 Hz
Cap/Operator Or Lens Colour	Green

Complementary

Height	1.65 in (42 mm)
Width	1.18 in (30 mm)
Depth	2.24 in (57 mm)
Terminals Description Iso N°1	(13-14)NO (21-22)NC
Net Weight	0.12 lb(US) (0.056 kg)
Resistance To High Pressure Washer	1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
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) 0.10 in (2.6 mm) NO changing electrical state) 0.17 in (4.3 mm) total travel)			
Operating Force	3.5 N NC changing electrical state 3.8 N			
Mechanical Durability	10000000 cycles			
Tightening Torque	7.0810.62 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			
[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	Λ < 10exp(-6) 5 V, 1 mA in clean environment IEC 60947-5-4 Λ < 10exp(-8) 17 V, 5 mA in clean environment IEC 60947-5-4			
Signalling Type	Steady			
Supply Voltage Limits	100132 V AC			
Current Consumption	14 mA			
Service Life	100000 h at rated voltage and 25 °C			
Surge Withstand	1 kV IEC 61000-4-5			
Device Presentation	Complete product			
Environment				
Protective Treatment	ТН			
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 IP69 IP69K IP67			
Nema Degree Of Protection	NEMA 13 NEMA 4X			

IK05 conforming to IEC 50102

Ik Degree Of Protection

Standards	IEC 60947-5-1 IEC 60947-1 IEC 60947-5-4 UL 508 JIS C8201-5-1
	CSA C22.2 No 14 JIS C8201-1
Product Certifications	DNV CSA GL LROS (Lloyds register of shipping) UL listed BV
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
Resistance To Fast Transients	2 kV IEC 61000-4-4
Resistance To Electromagnetic Fields	9.14 V/yd (10 V/m) IEC 61000-4-3
Resistance To Electrostatic Discharge	6 kV on contact (on metal parts) IEC 61000-4-2 8 kV in free air (in insulating parts) IEC 61000-4-2
Electromagnetic Emission	Class B IEC 55011

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.38 in (3.5 cm)
Package 1 Width	2.09 in (5.3 cm)
Package 1 Length	3.58 in (9.1 cm)
Package 1 Weight	1.94 oz (55.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	50
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	6.77 lb(US) (3.071 kg)

Contractual warranty

Warranty 18 months

Sustainability Screen Premium

Green PremiumTM **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-CO₂ 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



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

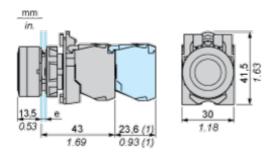
Reach Regulation	REACh Declaration			
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)			
China Rohs Regulation	China RoHS declaration			
Environmental Disclosure	Product Environmental Profile			
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins			
Circularity Profile	End of Life Information			

Product data sheet

XB5AW33G5

Dimensions Drawings

Dimensions

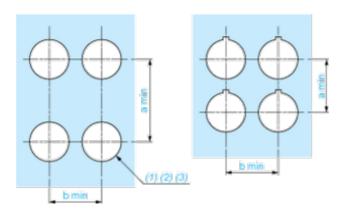


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in. **(1)** Additional row of contacts or double contact.

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. $_0^{+0.016}$)

				v
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. $_0^{+0.016}$)