

Push button, metal, flush, green, Ø22, spring return, unmarked, 1 NO Local distributor code:

23705531 XB4BA31

EAN Code: 3389110886955

Main

Range of product	Harmony XB4				
Device short name	XB4				
Product or component type	Push-button				
Bezel material	Chromium plated metal				
Fixing collar material	Zamak				
Mounting diameter	22.5 mm				
Sale per indivisible quantity	1				
Shape of signaling unit head	Round				
Type of operator	spring return				
Operator profile	Green flush, unmarked				
Head type	Standard				
Contacts type and composition	1 NO				
Contact operation	Slow-break				
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, 1 x 0.222 x 2.5 mm² without cable end conforming to IEC 60947-1				

Complementary

Height	47 mm		
Width	30 mm		
Depth	52 mm		
Terminals description ISO n°1	(13-14)NO		
Net weight	0.08 kg		
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m		
Contacts usage	Standard contacts		
Positive opening	Without		
Operating travel	2.6 mm (NO changing electrical state) 4.3 mm (total travel)		
Operating force	3.8 N NO changing electrical state		
Mechanical durability	10000000 cycles		
Tightening torque	0.81.2 N.m conforming to IEC 60947-1		

Shape of screw head	Cross compatible with Philips no 1 screwdriver			
	Cross compatible with pozidriv No 1 screwdriver			
	Slotted compatible with flat Ø 4 mm screwdriver			
	Slotted compatible with flat Ø 5.5 mm screwdriver			
Contacts material	Silver alloy (Ag/Ni)			
Short-circuit protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1			
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1			
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1			
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1			
[le] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1			
[]	6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1			
	0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1			
	0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1			
	0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1			
	1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1			
Electrical durability	1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5			
•	conforming to IEC 60947-5-1 appendix C			
	1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5			
	conforming to IEC 60947-5-1 appendix C			
	1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5			
	conforming to IEC 60947-5-1 appendix C			
	1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5			
	conforming to IEC 60947-5-1 appendix C			
	1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5			
	conforming to IEC 60947-5-1 appendix C			
Electrical reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4			
	Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4			
Device presentation	Complete product			
Environment				
Protective treatment	тн			
Ambient air temperature for storage	-4070 °C			
Ambient air temperature for operation	-4070 °C			
Overvoltage category	Class I conforming to IEC 60536			
IP degree of protection	IP66 conforming to IEC 60529			
	IP67			
	IP69			
	IP69K			
NEMA degree of protection	NEMA 13 NEMA 4X			
IK degree of protection	IK06 conforming to IEC 50102			
Standards	JIS C8201-5-1			
	IEC 60947-5-5			
	UL 508			
	IEC 60947-1			
	IEC 60947-5-4			
	IEC 60947-5-1			
	CSA C22.2 No 14			
	JIS C8201-1			
Product certifications	CSA			
	LROS (Lloyds register of shipping)			
	BV			
	III listed			

5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6

UL listed DNV

Vibration resistance

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

PCE
1
3.500 cm
5.500 cm
8.500 cm
78.800 g
S03
150
30.000 cm
30.000 cm
40.000 cm
12.257 kg
P06
1200
75.000 cm
80.000 cm
60.000 cm
106.056 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

∅ Environmental footprint	
Total lifecycle Carbon footprint	1
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

Use Longer

○ Lifetime extension		
Product repair index	Α	

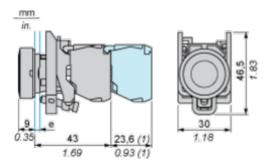
Use Again

○ Repack and remanufacture	
Recyclability potential, in %	0
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

XB4BA31

Dimensions Drawings

Dimensions



- \boldsymbol{e} : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.
- (1) Additional row of contacts or double contact.

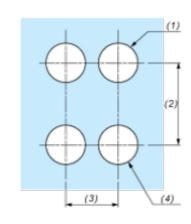
XB4BA31

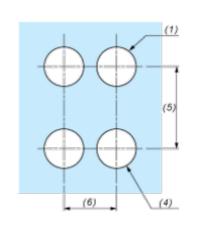
Mounting and Clearance

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

Connection by Faston Connectors

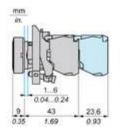




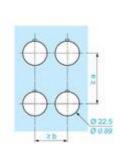
- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Technical Illustration

Dimensions







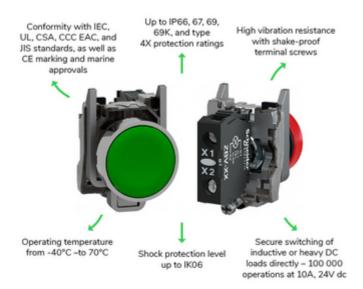
		a (mm)	a (in)	p (mm)	b (in.)
Z8E****	ZBV••••	40	1.57	30	1.18
∏ Z8€3	ZBV••••3	45	1.77	32	1.26
ZBE*****4	ZBV••••4	40	1.57	30	1.18
ZBE5	ZBV	50	1.97	30	1.18
Z8E9	ZBV••••9	40	1.57	30	1,18
ZBRT.	ZBRV1	40	1.57	30	1.18

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB4



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative









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