

Push button, metal, flush, green, Ø22, spring return, unmarked, 1 NO

XB4BA31

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	
Product 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.500 cm
Package 1 Width	5.500 cm
Package 1 Length	8.500 cm
Package 1 Weight	78.800 g
Unit Type of Package 2	S03
Number of Units in Package 2	150
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	12.257 kg
Unit Type of Package 3	P06
Number of Units in Package 3	1200
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	106.056 kg

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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

Use Better

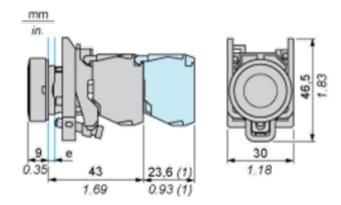
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
China RoHS Regulation	China RoHS declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No

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.

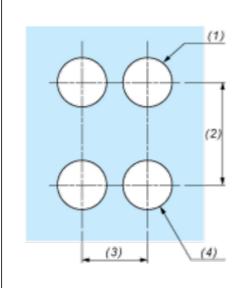
XB4BA31

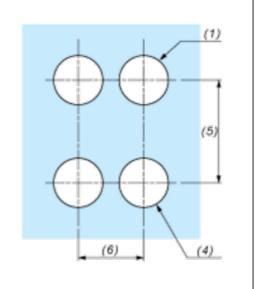
Mounting and Clearance

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

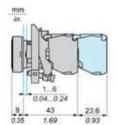




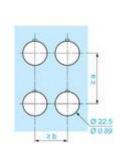
- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Technical Illustration

Dimensions







		a (mm)	o (in.)	b (mm)	b (in.)
Z8E	ZBV••••	40	1.57	30	1.18
∏ Z8€3	-	45	1.77	32	1.26
ZBE*****4	ZBV••••4	40	1.57	.30	1.18
Z8E5	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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