

Product datasheet

Specifications



Illuminated push button, Easy Harmony XB2, metal, flush, white, 22mm, spring return, 220V AC, 1NO

XB2BW31M1C

Main

Range of product	Easy Harmony XB2
Product or component type	Complete illuminated push-button
Device presentation	Complete product
Device short name	XB2
Bezel material	Chromium plated metal
Fixing collar material	Zamak
Mounting diameter	22.5 mm
Head type	Standard

Complementary

Sale per indivisible quantity	1
Protective treatment	TC/TH
Fixing center	>= 30 x 40 mm (panel) - thickness: 1...6 mm
Fixing mode	Fixing screw beneath head recommended torque: 0.8 N.m Fixing screw beneath head recommended torque: 1.0 N.m
Terminals description ISO n°1	(13-14)NO
Cap/operator or lens colour	White
Product compatibility	ZB2..C
Shape of signaling unit head	Round
Device mounting	Fixing hole - diameter: 22.5 mm
Type of operator	spring return
Operator profile	White flush, unmarked
Contacts type and composition	1 NO
Contact operation	Slow-break
Contacts usage	Standard contacts
Operating travel	2.88 mm (NO changing electrical state) 5.0 mm (total travel)
Mechanical durability	3000000 cycles
Connections - terminals	Screw clamp terminal, <= 2 x 1.5 mm ² with and without cable ends Screw clamp terminal, <= 1 x 2.5 mm ² with and without cable ends Screw clamp terminal, >= 1 x 0.5 mm ² with and without cable ends Faston terminals, connection size: 6.3 mm
Tightening torque	0.8...1.0 N.m

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 gL fuse type gG conforming to IEC 60947-5-1
[I_{th}] conventional free air thermal current	10 A conforming to IEC 60947-5-1
[U_i] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1
[U_{imp}] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
[I_e] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1
Electrical durability	1000000 cycles, AC-15, 3 A at 240 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.27 A at 250 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Electrical reliability	Δ < 10 ^{exp(-6)} at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 Δ < 10 ^{exp(-8)} at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4
Signalling type	Steady
Light source	LED
Bulb base	BA 9s
[U_s] rated supply voltage	240 V AC 50/60 Hz
Supply voltage limits	176...242 V AC
Current consumption	< 20 mA
Service life	50000 h at rated voltage and 25 °C
Width	40 mm
Height	30 mm
Depth	79.5 mm
Product weight	0.12 kg
Customizable	No
[U_s] rated supply voltage	240 V
Type of operator	Spring return

Environment

Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Overvoltage category	Class I conforming to IEC 60536
Standards	IEC 60947-5-1 IEC 60947-5-4 IEC 60947-1 GB/T 14048.1 GB/T 14048.5
Product certifications	CCC CE
Marking	Unmarked
IP degree of protection	IP65
IK degree of protection	IK06
Vibration resistance	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6

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	5.500 cm
Package 1 Width	7.200 cm
Package 1 Length	10.800 cm
Package 1 Weight	115.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	25
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.138 kg
Unit Type of Package 3	P12
Number of Units in Package 3	120
Package 3 Height	90.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	35.000 kg

Contractual warranty

Warranty	18 months
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Environmental Data

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) **38**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Pro-active compliance (Product out of EU RoHS legal scope)**

SCIP Number **9e63340a-2371-4381-8f9a-5fba0ff349a4**

REACH Regulation [REACH Declaration](#)

Use Again

Repack and remanufacture

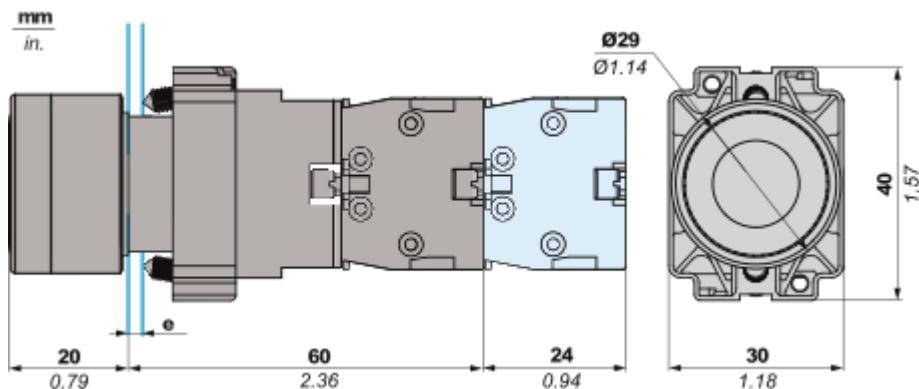
Circularity Profile **No need of specific recycling operations**

Take-back **No**

WEEE **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Dimensions Drawings

Dimensions

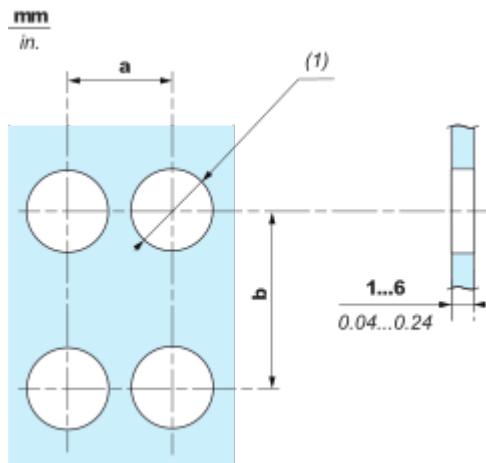


e: clamping thickness 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

Mounting and Clearance

Panel cut-out

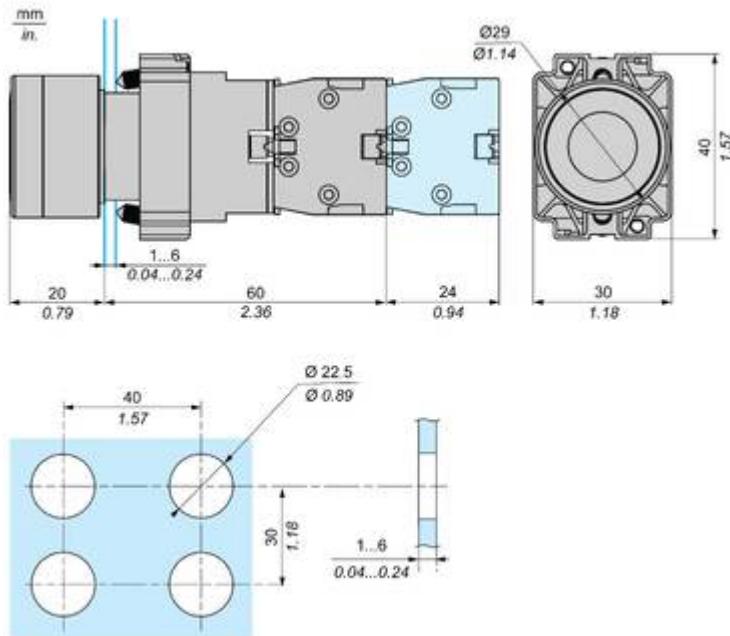


	Connection by Screw clamp terminals			
	a in mm	a in in.	b in mm	b in in.
•B2BA•C / •B2BL•C / •B2BP•C / •B2BS4•C / •B2BD•C / •B2BJ•C / •B2BG•C / •B2BW•C	40	1.57	30	1.18
•B2BC•C / •B2BS5•C / •B2BS8•C / •B2BT•C	40	1.57	40	1.57
•B2BR•C / •B2BS6•C	60	2.36	60	2.36

(1) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}_0$ / 0.88 in. $^{+0.016}_0$)

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

Features

Easy Harmony XB2



Metal bezels with metal fixing collars for impact endurance

Designed to be used in numerous control and signaling applications

Metal screws for secure fix, grounding contact to the panel and anti-rotation

Simple modular design facilitates post installation servicing, modification and adaption of machines by non-specialists

Available in sub-assemblies for easy mix and match of functionalities

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Easy Harmony XB2

Supports operating temperature from -25°C to +70°C

Excellent resistance to mechanical shock and vibration



Conforming to CE, CCC and ROHS standards

Up to IP65 protection ratings

Image of product / Alternate images

Alternative



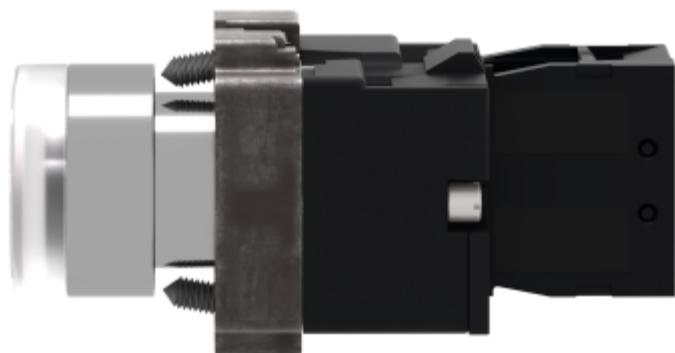




Image of product in real life situation

