

# Product data sheet

Specifications



Illuminated double headed push button, Harmony XB5, plastic, 22mm, 1 green flush I + 1 pilot light + 1 red projecting O, 1 NO + 1 NC

XB5AW73731B5

**Product availability:** Non-Stock - Not normally stocked in distribution facility

**Important message:** A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks

## Main

Range of Product	Harmony XB5
Product or Component Type	Illuminated double-headed push-button
Device short name	XB5
Bezel material	Dark grey plastic
Fixing collar material	Plastic
Head type	Standard
Mounting diameter	0.9 in (22 mm)
Shape of signaling unit head	Rectangular
Type of operator	spring return
Operator profile	1 flush - 1 projecting push-buttons - 1 central pilot light
Operators description	Green "I" - red "O"
Contacts type and composition	1 NO + 1 NC
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end IEC 60947-1 Spring terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end IEC 60947-1 Spring terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end IEC 60947-1
Light source	Protected LED
Bulb base	Integral LED
[Us] rated supply voltage	24 V AC/DC 50/60 Hz

## Complementary

Height	2.0 in (50 mm)
Width	1.2 in (30 mm)
Depth	2.3 in (59 mm)
Terminals description ISO n°1	(11-12)NC (13-14)NO
Product Weight	0.146 lb(US) (0.066 kg)
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Colour of marking	Black marking when white caps White marking when green, red or black caps

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

<b>Operator profile</b>	Green flush, I white) Red projecting, O white)
<b>Contacts usage</b>	Standard contacts
<b>Positive opening</b>	With IEC 60947-5-1 appendix K
<b>Operating travel</b>	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)
<b>Operating force</b>	3.5 N NC changing electrical state 3.8 N NO changing electrical state
<b>Mechanical durability</b>	1000000 cycles
<b>Tightening torque</b>	7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 60947-1
<b>Shape of screw head</b>	Cross JIS No 1 Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm
<b>Contacts material</b>	Silver alloy (Ag/Ni)
<b>Short-circuit protection</b>	10 A cartridge fuse gG IEC 60947-5-1
<b>[I<sub>th</sub>] conventional free air thermal current</b>	10 A IEC 60947-5-1
<b>[U<sub>i</sub>] rated insulation voltage</b>	600 V 3)IEC 60947-1
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	6 kV IEC 60947-1
<b>[I<sub>e</sub>] rated operational current</b>	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
<b>Electrical durability</b>	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
<b>Electrical reliability</b>	$\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment IEC 60947-5-4 $\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment IEC 60947-5-4
<b>Signalling type</b>	Steady
<b>Light source colour</b>	White
<b>Supply voltage limits</b>	19.2...30 V DC 21.6...26.4 V AC
<b>Current Consumption</b>	18 mA
<b>Service life</b>	100000 year(s) at rated voltage and 25 °C
<b>Surge withstand</b>	1 kV IEC 61000-4-5
<b>Device presentation</b>	Complete product

## Environment

<b>Protective treatment</b>	TH
<b>Ambient Air Temperature for Storage</b>	-40...158 °F (-40...70 °C)
<b>Ambient Air Temperature for Operation</b>	-40...158 °F (-40...70 °C)
<b>Overvoltage category</b>	Class II conforming to IEC 61140
<b>IP degree of protection</b>	IP66 IEC 60529 IP69 IEC 60529 IP69K

<b>NEMA degree of protection</b>	NEMA 13 NEMA 4X
<b>IK degree of protection</b>	IK05 conforming to IEC 50102
<b>Standards</b>	IEC 60947-5-1 UL 508 IEC 60947-1 JIS C8201-5-1 CSA C22.2 No 14 IEC 60947-5-4 JIS C8201-1
<b>Product Certifications</b>	CSA LROS (Lloyds register of shipping) BV UL Listed DNV
<b>Vibration resistance</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27
<b>Resistance to fast transients</b>	2 kV IEC 61000-4-4
<b>Resistance to electromagnetic fields</b>	9.1 V/m (10 V/m) IEC 61000-4-3
<b>Resistance to electrostatic discharge</b>	6 kV on contact (on metal parts) IEC 61000-4-2 8 kV in free air (in insulating parts) IEC 61000-4-2
<b>Electromagnetic emission</b>	Class B IEC 55011

## Ordering and shipping details

<b>Category</b>	US10CS222467
<b>Discount Schedule</b>	0CS2
<b>GTIN</b>	3389119043540
<b>Returnability</b>	Yes
<b>Country of origin</b>	FR

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	3.39 in (8.600 cm)
<b>Package 1 Width</b>	1.30 in (3.300 cm)
<b>Package 1 Length</b>	2.09 in (5.300 cm)
<b>Package weight(Lbs)</b>	2.152 oz (61.000 g)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	100
<b>Package 2 Height</b>	11.81 in (30.000 cm)
<b>Package 2 Width</b>	11.81 in (30.000 cm)
<b>Package 2 Length</b>	15.75 in (40.000 cm)
<b>Package 2 Weight</b>	14.491 lb(US) (6.573 kg)
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	800
<b>Package 3 Height</b>	29.53 in (75.000 cm)

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Package 3 Width	23.62 in (60.000 cm)
Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	139.606 lb(US) (63.324 kg)

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## Contractual warranty

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Warranty	18 months
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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 CO2 eq, Total Life cycle)	20
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	1b727668-980f-44dd-96d8-f205d181f25e
California proposition 65	<b>WARNING:</b> This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="#">www.P65Warnings.ca.gov</a>

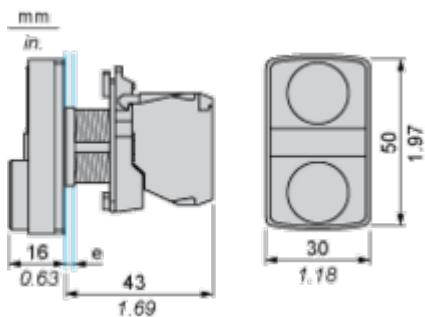
### Use Again

#### Repack and remanufacture

Circularity Profile	<a href="#">End of Life Information</a>
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.

## Dimensions Drawings

## Dimensions

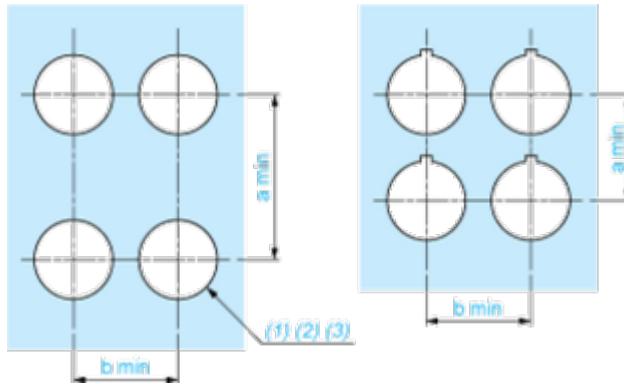


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

## 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



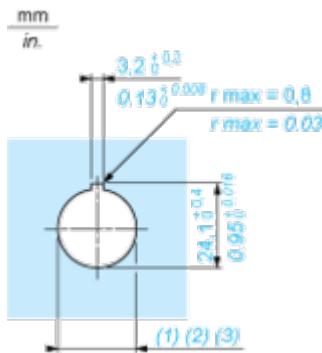
(1) Diameter on finished panel or support

(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.

(3) Ø22.5 mm recommended ( $\text{Ø}22.3^{+0.4}_0$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88^{+0.016}_0$ )

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



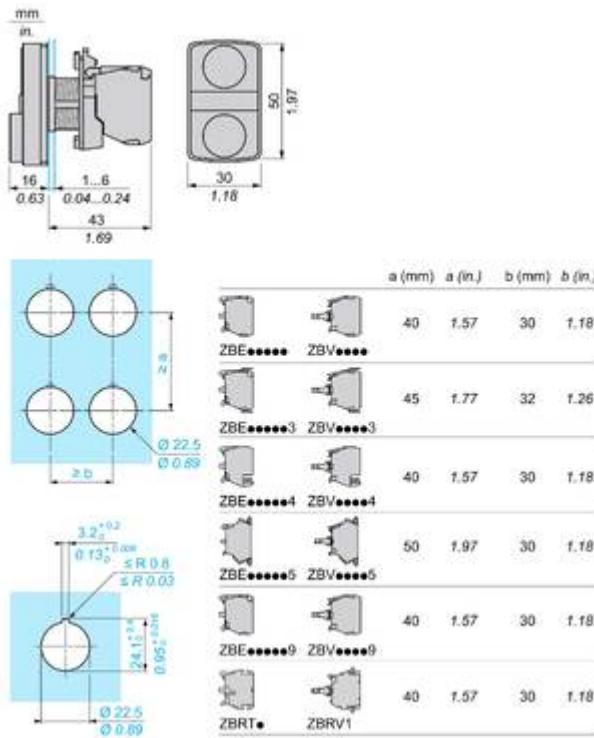
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(3) Ø22.5 mm recommended ( $\text{Ø}22.3^{+0.4}_0$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88^{+0.016}_0$ )

## Technical Illustration

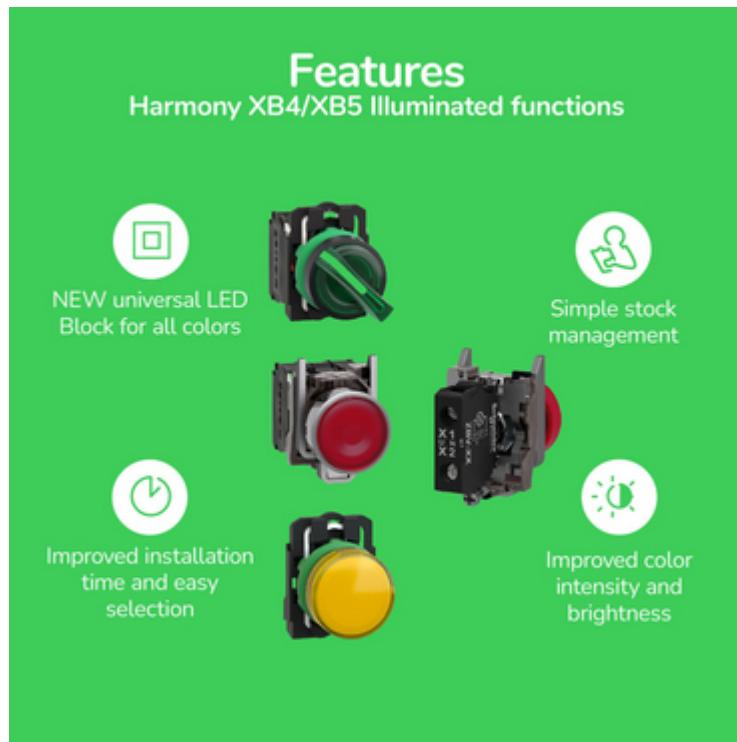
## Dimensions



Offer Marketing Illustration

Product benefits / Features

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## Offer Marketing Illustration

## Product benefits / Features

## Features

### Harmony XB5



-  Quick and easy assembly and disassembly
-  Excellent mechanical connection with operator head
-  Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board
-  Large set of accessories to customize your panels
-  Robustness to withstand harsh environments

## Offer Marketing Illustration

## Product benefits / Features

## Technical Benefits

## Harmony XB5

Conformity with IEC, UL, CSA, CCC EAC, and JIS standards, as well as CE marking and marine approvals



Up to IP66, 67, 69, 69K, and type 4X protection ratings



High vibration resistance with shake-proof terminal screws



Operating temperature from -40°C to 70°C



Shock protection level up to IK06



Secure switching of inductive or heavy DC loads directly – 100 000 operations at 10A, 24V dc

Image of product / Alternate images

Alternative

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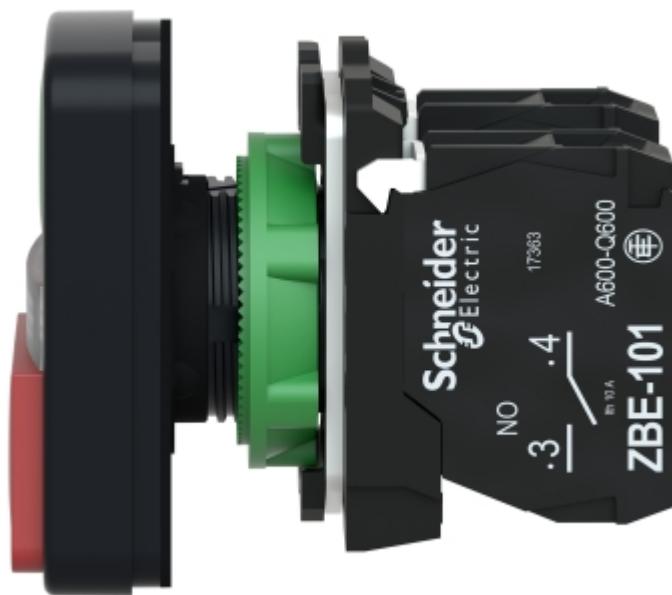






Image of product in real life situation

