

Product datasheet

Specifications



wireless and battery less handy box, 2 simple action buttons

Local distributor code:

409018075

ZBRM22A0

EAN Code: 3606480891083

Main

Range of product	Harmony XB5R
Product or component type	Wireless and batteryless transmitter
Device short name	XB5R
Contact operation	2 simple action push-button
Bezel material	Plastic
Fixing collar material	Plastic
Mounting diameter	22 mm

Complementary

Kit composition	1 set of caps 1 handy box 2 transmitter 2 push-button head diameter: 22 mm 2 fixing collars
Shape of signaling unit head	Round
Type of operator	spring return push-button with transmitter
Operator profile	Flush
Operator additional information	Set of caps
Net weight	0.2 kg
Mechanical durability	1000000 cycles
Operating travel	4.3 mm (total travel)
Operating force	25 N C/O changing electrical state
Shock resistance	25 gn (duration = 6 ms) for 6000 shocks conforming to IEC 60068-2-27 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
Mechanical robustness	Free fall resistance 1000 mm conforming to IEC 60068-2-32
Communication port protocol	Zigbee green power at 2.4 GHz
Maximum sensing distance	100 m in free field 25 m transmitter in the handy box and receiver in a metal enclosure 300 m transmitter in the handy box, receiver in metal enclosure and use relay-antenna
Acquisition time	2 ms
Response time	< 2 ms
Emission power	3 mW

Environment

Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...55 °C
IP degree of protection	IP65 (front face) conforming to IEC 60529 IP65 (front face) conforming to UL Type 12
IK degree of protection	IK03 conforming to IEC 50102
Relative humidity	95 % at 70 °C without condensation
Vibration resistance	5 gn (f= 11...500 Hz) conforming to IEC 60068-2-6 +/- 10 mm (f= 2...11 Hz) conforming to IEC 60068-2-6
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 8 kV (in free air (in insulating parts)) conforming to IEC 61000-4-2 Electrostatic discharge immunity test - test level: 4 kV (on contact (on metal parts)) conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields - test level: 20 V/m (80...3000 MHz) conforming to IEC 61000-4-3 Susceptibility to electromagnetic fields - test level: 6 V/m (3000...6000 MHz, distance = 20 m) conforming to IEC 61000-4-3
Radio agreement	RSS conforming to UL 508 ARIB T66 conforming to CSA C22.2 No 14 ICASA ANATEL FCC
Standards	IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-1 UL 508
Product certifications	C-Tick CSA BT 2006/95/EC EAC UL CCC
Directives	2004/108/EC - electromagnetic compatibility 1999/5/EC - R&TTE directive

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.800 cm
Package 1 Width	6.800 cm
Package 1 Length	16.900 cm
Package 1 Weight	206.000 g

Logistical informations

Country of origin	FR
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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

Total lifecycle Carbon footprint	2
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Use Better

Materials and Substances

Packaging without single use plastic	No
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[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number

25b7f895-3732-43c8-9910-ef6005058640

REACH Regulation

[REACH Declaration](#)

Use Longer

Lifetime extension

Product repair index	A
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Use Again

Repack and remanufacture

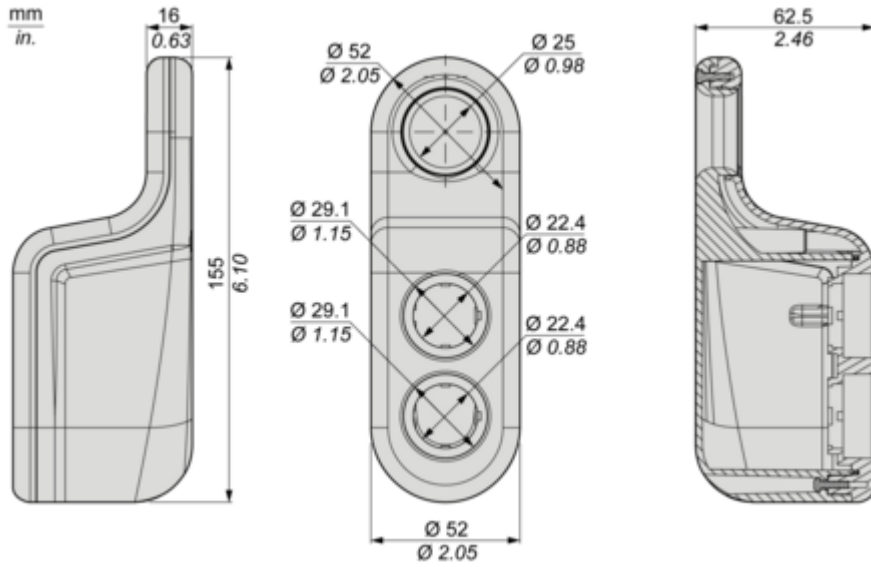
Take-back	No
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Dimensions Drawings

Dimensions

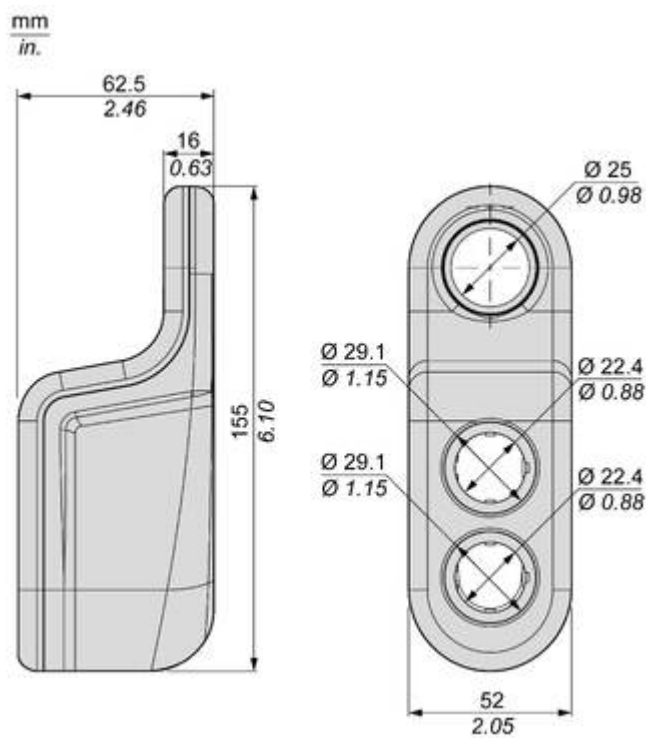
Wireless and Batteryless Pushbutton

Plastic Mobile Box for Mobile or Fix Use - 2 Functions



Technical Illustration

Dimensions



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
- 

Robustness to withstand harsh environments
- 

Large set of accessories to customize your panels

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

