Product datasheet

Specifications

Green Premium™

Rope pull switch with wireless and batteryless transmitter, Harmony XB5R, plastic black

ZBRP1

Main

Range of product	Harmony XB5R
Product or component type	Wireless and batteryless transmitter
Device short name	ZBRP1
Bezel material	Plastic
transmission frequency	2405 MHz
emission class	5M00G7W
Antenna type	Omnidirectional

Complementary

Number of channels	1
Antenna gain	0 dBi
CAD overall height	144 mm
CAD overall width	56 mm
CAD overall depth	38 mm
Net weight	0.15 kg
Mechanical robustness	Free fall resistance 1 m conforming to EN/IEC 60068-2-31
Standards	UL 508 EN/IEC 60947-1 EN/IEC 62479 EN/IEC 60947-5-1 EN/IEC 300328
Radio agreement	ICASA GITEKI
Communication port protocol	Zigbee green power at 2.4 GHz conforming to IEEE 802.15.4
Maximum sensing distance	100 m in free field
Emission power	3 mW
Fixing mode	By screw: 1.8…2.2 N.m
Mounting mode	Between 2 ropes Panel mount with universal support
Operating position	Any position

Environment

Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-25…70 °C

Relative humidity	95 % without condensation
IP degree of protection	IP65 conforming to IEC 62262
NEMA degree of protection	NEMA 4
IK degree of protection	IK05 conforming to IEC 62262
Mechanical durability	1000000 cycles
Electromagnetic compatibility	Electrostatic discharge immunity test - test level: 8 kV (in free air (in insulating parts)) Susceptibility to electromagnetic fields - test level: 10 V/m (80...2000 MHz) Susceptibility to electromagnetic fields - test level: 6 V/m (2000...6000 MHz)
Product certifications	UL GOST CE RCM ANATEL FCC UKCA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.700 cm
Package 1 Width	6.500 cm
Package 1 Length	16.500 cm
Package 1 Weight	172.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	32
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	6.259 kg

Contractual warranty

Warranty	18 months

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Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency   RoHS/REACh

Well-being performance

✅ Mercury Free

✅ Rohs Exemption Information   Yes

Certifications & Standards

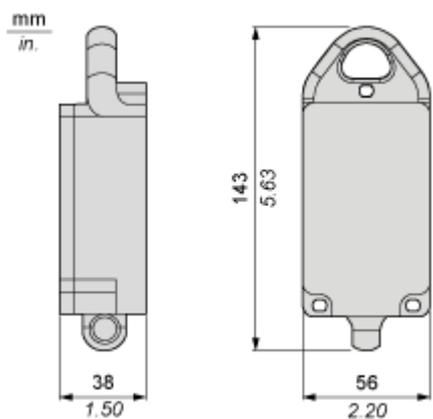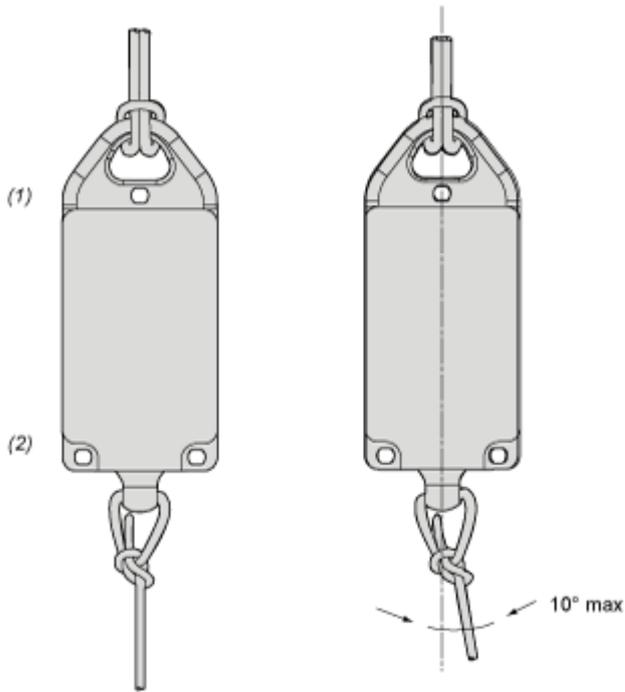| **Reach Regulation**	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

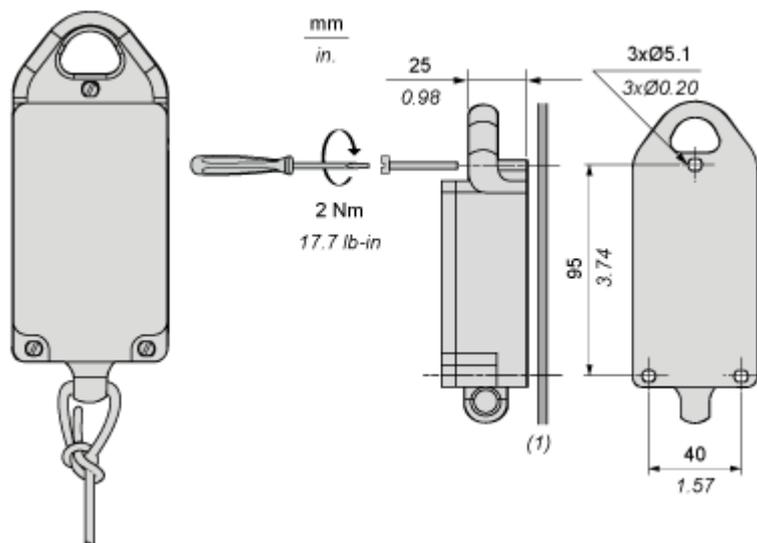**Wireless and Batteryless Rope Pull Switch Transmitter**

Mounting and Clearance

Transmitter Mounting

(1)   HIGH

(2)   BOTTOM

Transmitter Mounting on Flat Surface

(1)   Installation on flat surface