

Product data sheet

Specifications



Biometric switch monostable RGPD,
Harmony XB5S, plastic, 22mm,
USB, connection by 2m cable, 24V
AC DC

XB5S9B2L2

! To be discontinued

! To be discontinued on: Nov 30, 2025

Main

Product or component type	Biometric switch RGPD
Product specific application	Materials handling Industrial machines
Device short name	XB5S
Bezel material	Plastic
Mounting diameter	22 mm
Output type	PNP
Sale per indivisible quantity	1
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Type of operator	Momentary
Operator profile	fingerprint reader
Connections - terminals	1 pre-wired cable, 3 x 0.11 mm ²
Memory usage	200 users with up to 2 fingerprints per user

Complementary

Software designation	XB5SSoft
Enclosure material	Polyamide PA66
Cable insulation material	PvR
Operating position	Vertical surface installation Flat surface installation Horizontal position
Function of module	Monostable
Net weight	0.202 kg
Marking	CE
port protocol	USB
Connector type	USB type A male with 1 m cable
Local signalling	1 LED (green) for output state indicator 1 LED (red) for error
Short-circuit protection	250 mA external fuse type gG
[Us] rated supply voltage	24 V DC
Electrical connection	free wire ends with 3 wires of 2 m

Supply voltage limits	20...30 V DC
Protection type	Reverse polarity Short-circuit Overload protection
Maximum switching current	200 mA
[Ures] residual voltage	1 V closed state
Current consumption	<= 70 mA no-load
Maximum delay first up	3 s + 0.5 ms per user registered
Maximum delay recovery	1.5 s
Maximum delay response	1.5 s

Environment

Range of product	Harmony XB5S
Ambient air temperature for storage	-25...70 °C
Ambient air temperature for operation	-5...50 °C
NEMA degree of protection	NEMA 12
Standards	IEC 61000-6-4 IEC 61000-6-2
Product certifications	CSA UL
Vibration resistance	+/- 3 mm (f= 5...9 Hz) conforming to IEC 60068-2-6 1 gn (f= 9...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.100 cm
Package 1 Width	10.000 cm
Package 1 Length	18.500 cm
Package 1 Weight	194.000 g

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 173

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant with Exemptions

Use Again

Repack and remanufacture

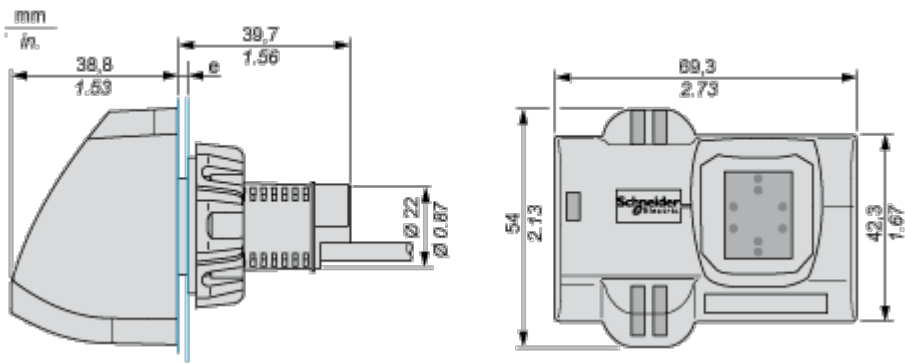
End of life manual availability [End of Life Information](#)

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

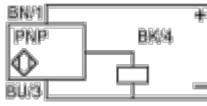
Dimensions of Biometric Switches



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

Connections and Schema

Cable with PNP Output



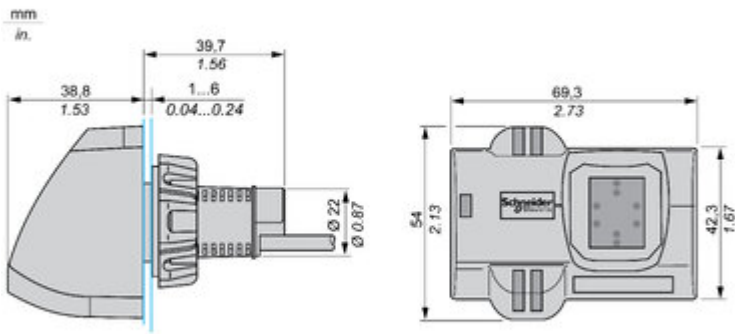
BU: Blue

BN: Brown

BK: Black

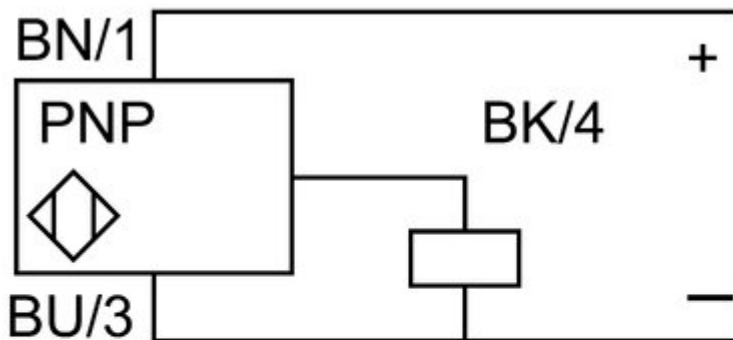
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



BN = ●

BU = ●

BK = ●

Image of product / Alternate images

Alternative







Image of product in real life situation

