Product data sheet

Specifications

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

XB5S9B2L2

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

Main

Product or Component Type	Biometric switch RGPD
Product Specific Application	Materials handling Industrial machines
Device short name	XB5S
Bezel material	Plastic
Mounting diameter	0.9 in (22 mm)
Output Type	PNP
Sale per indivisible quantity	1
IP degree of protection	IP20 IEC 60529 rear face) IP65 IEC 60529 front face)
Type of operator	Momentary
Operator profile	fingerprint reader
Connections - terminals	1 pre-wired cable, 3 x 0.11 mm²
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
Product Weight	0.445 lb(US) (0.202 kg)
Marking	CE
port protocol	USB
Connector type	USB type A male 3.3 ft (1 m)
Local signalling	1 LED (green) for output state indicator 1 LED (red) for error
Short-circuit protection	250 mA external fuse gG
[Us] rated supply voltage	24 V DC
Electrical connection	free wire ends 3 6.6 ft (2 m)
Supply voltage limits	20…30 V DC

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

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	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Operation	23…122 °F (-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 IEC 60068-2-27

Ordering and shipping details

Category	US1000I22471
Discount Schedule	000I
GTIN	3606489915513
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.80 in (7.100 cm)
Package 1 Width	3.94 in (10.000 cm)
Package 1 Length	7.28 in (18.500 cm)
Package weight(Lbs)	6.843 oz (194.000 g)

Contractual warranty

Warranty	18 months

Aug 30, 2025

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 CO2 eq, Total Life cycle)	**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

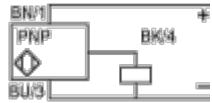|	
Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

Dimensions of Biometric Switches

mm / in.

38,8 / 1.53
39,7 / 1.56
e
Ø 22 / Ø 0.87
54 / 2.13

69,3 / 2.73
42,3 / 1.67

e: 1 to 6 mm / 0.04 to 0.24 in.
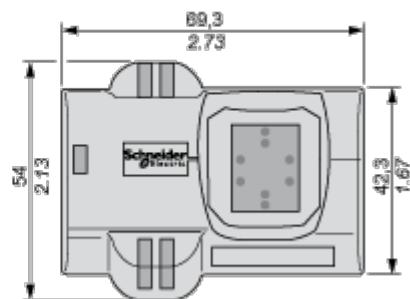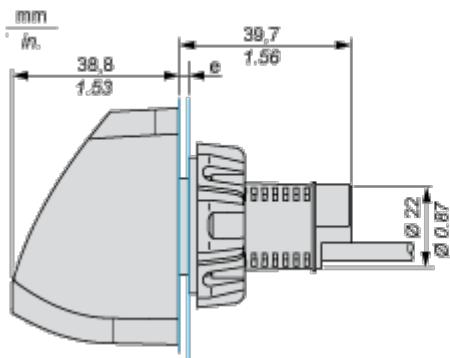
Connections and Schema

Cable with PNP Output

BU: Blue

BN: Brown

BK: Black

Technical Illustration

Dimensions
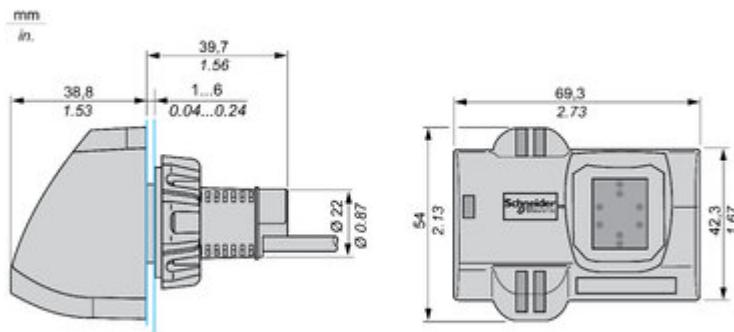
Technical Illustration

Wiring diagram

BN/1   +   PNP   BK/4   BU/3   −
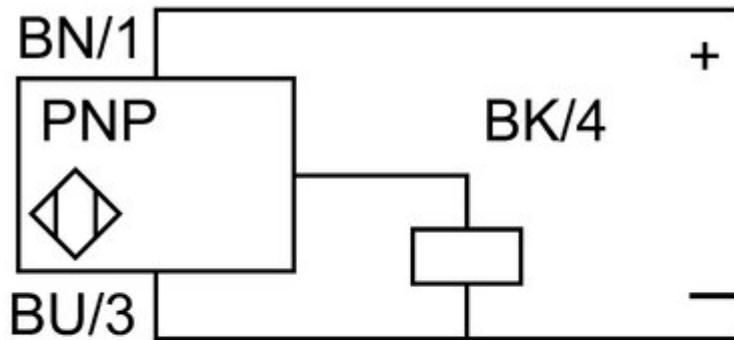
BN = 🟤
BU = 🔵
BK = ⚫

Offer Marketing Illustration

Product benefits / Features

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

Life Is On | Schneider Electric

Image of product in real life situation