

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

XB5S1B2L2

Product availability: Stock - Normally stocked in distribution facility

Main

Product or Component Type	Biometric switch	
Product Specific Application	Industrial machines Materials handling	
	Material Harianing	
Device short name	XB5S	
Bezel material	Dark grey 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	Stay put	
Operator position information	2 positions	
Operator profile	fingerprint reader	
Connections - terminals	1 pre-wired cable, 3 x 0.34 mm ²	
Memory usage	200 users with up to 2 fingerprints per user	

Complementary

Enclosure Material	Polyamide PA66	
Cable insulation material	PvR	
Operating position	Horizontal position Flat surface installation Vertical surface installation	
Function of module	Bi-stable	
Net Weight	0.37 lb(US) (0.17 kg)	
Marking	CE	
Local signalling	1 LED (green) for output state indicator 1 LED (orange) for administrator's registration mode 1 LED (orange) for operator's registration mode 1 LED (red) for error 1 LED (red) for reset	
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	2030 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	Short-circuit Reverse polarity	
Maximum switching current	Overload protection 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	-13158 °F (-2570 °C)	
Ambient Air Temperature for Operation	23122 °F (-550 °C)	
NEMA degree of protection	NEMA 12	
Standards	IEC 61000-6-4 IEC 61000-6-2	
Product Certifications	UL CSA	
Vibration resistance	+/- 3 mm (f= 59 Hz) conforming to IEC 60068-2-6 1 gn (f= 9500 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	0001
GTIN	3606480061394
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.68 in (6.8 cm)
Package 1 Width	3.74 in (9.5 cm)
Package 1 Length	7.28 in (18.5 cm)
Package weight(Lbs)	6.9 oz (196.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	8
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	4.198 lb(US) (1.904 kg)

Contractual warranty

Warranty

Jul 22, 2025

18 months



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

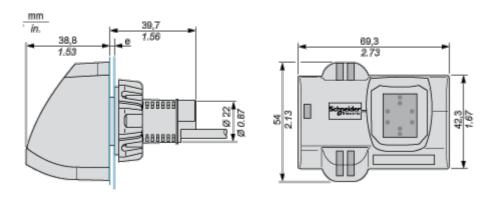
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	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



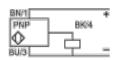
e: 1 to 6 mm / 0.04 to 0.24 in.

Product data sheet

XB5S1B2L2

Connections and Schema

Cable with PNP Output



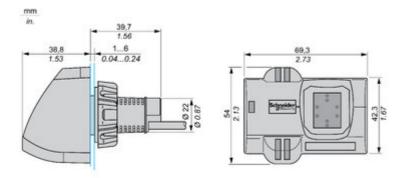
BU: Blue
BN: Brown
BK: Black

Product data sheet

XB5S1B2L2

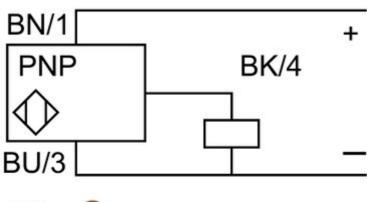
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB5



Image of product / Alternate images

Alternative













Image of product in real life situation

