

Product data sheet

Specifications



Biometric switch monostable RGPD, Harmony XB5S, plastic, 22mm, USB, connection by M12 connector, 24V AC DC

XB5S9B2M12

Product availability: Stock - Normally stocked in distribution facility

Main

Product or Component Type	Biometric switch RGPD
Product Specific Application	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)
Type of operator	Momentary
Operator profile	fingerprint reader
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	Flat surface installation
Function of module	Monostable
Product Weight	0.474 lb(US) (0.215 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
Short-circuit protection	250 mA external fuse gG
[Us] rated supply voltage	24 V DC
Electrical connection	M12 connector 0.7 ft (0.2 m)
Supply voltage limits	20...30 V DC
Protection Type	Overload protection
Maximum switching current	200 mA
[Ures] residual voltage	1 V closed state

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 61000-6-2
Product Certifications	UL
Vibration resistance	+/- 3 mm (f= 5...9 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	3606489915520
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.72 in (6.900 cm)
Package 1 Width	3.86 in (9.800 cm)
Package 1 Length	7.24 in (18.400 cm)
Package weight(Lbs)	6.420 oz (182.000 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	
Environmental Disclosure	Product Environmental Profile

Use Better

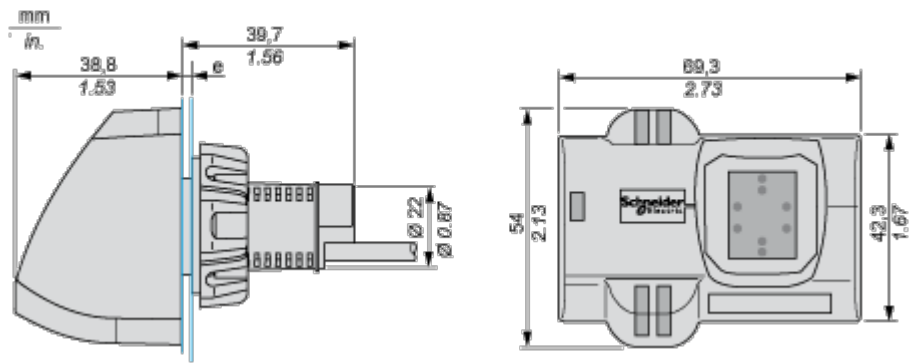
Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Under investigation

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

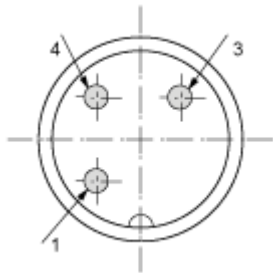


e: 1 to 6 mm / 0.04 to 0.24 in.

Connections and Schema

M12 Connector

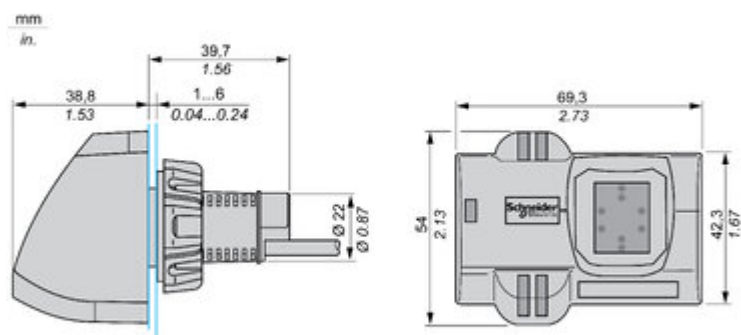
M12 connector



- 1 : (+)
- 3 : (-)
- 4 : Output

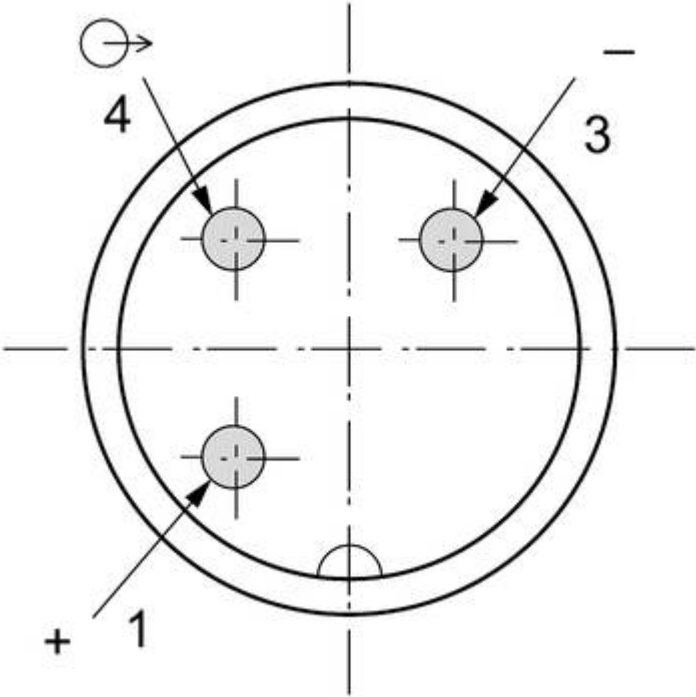
Technical Illustration

Dimensions



Technical Illustration

Wiring diagram



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



Large set of accessories to customize your panels



Robustness to withstand harsh environments



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB5



Image of product / Alternate images

Alternative





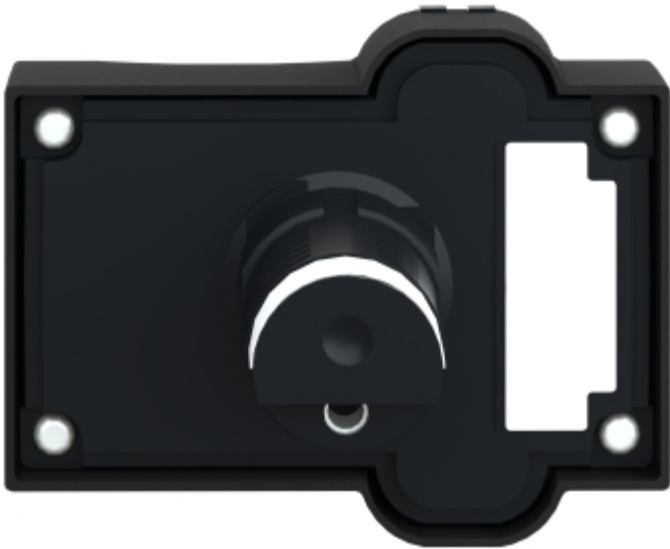


Image of product in real life situation

