

# Product data sheet

Specifications



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

XB5S7B2M12

## Main

Product Or Component Type	Biometric switch RGPD
Product Specific Application	Industrial machines Materials handling
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
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	Monostable
Net Weight	0.183 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 type gG
[Us] Rated Supply Voltage	24 V DC
Electrical Connection	M12 connector of 0.2 m
Supply Voltage Limits	20...30 V DC
Protection Type	Overload protection Short-circuit Reverse polarity
Maximum Switching Current	200 mA

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

[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 61000-6-2 IEC 61000-6-4
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	6.6 cm
Package 1 Width	9.5 cm
Package 1 Length	18.5 cm
Package 1 Weight	160.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	8
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.606 kg

## Contractual warranty

Warranty	18 months
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## Sustainability



**Green Premium™ 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<sub>2</sub> 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 >](#)

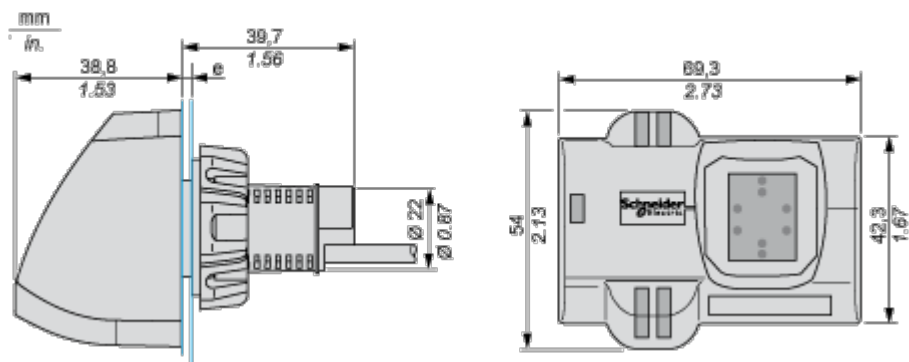
[Guide to assess a product’s sustainability >](#)

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a>
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



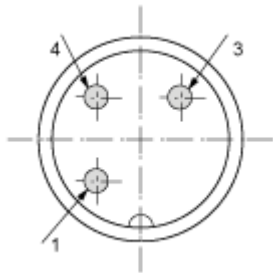
e: 1 to 6 mm / 0.04 to 0.24 in.

Connections and Schema

M12 Connector

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M12 connector



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