Product data sheet

Specifications



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

XB5S9B2M12

To be discontinued

To be discontinued on: Nov 30, 2025

Main

Product or component type	Biometric switch RGPD
Product specific application	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
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
Net weight	0.215 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
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
Maximum switching current	200 mA
[Ures] residual voltage	1 V closed state

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	-25…70 °C
Ambient air temperature for operation	-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 conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.900 cm
Package 1 Width	9.800 cm
Package 1 Length	18.400 cm
Package 1 Weight	182.000 g

Contractual warranty

Warranty	18 months

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

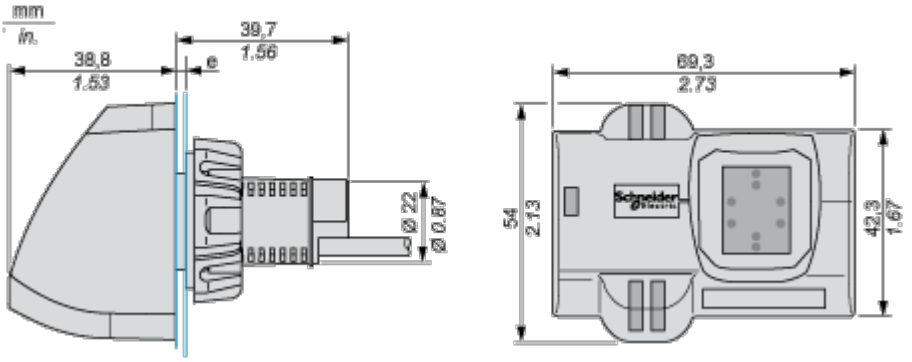
Use Again

Repack and remanufacture

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

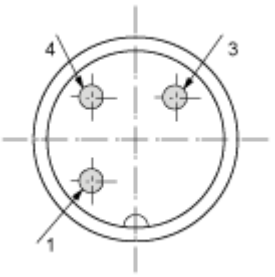


e: 1 to 6 mm / 0.04 to 0.24 in.

Connections and Schema

M12 Connector

M12 connector



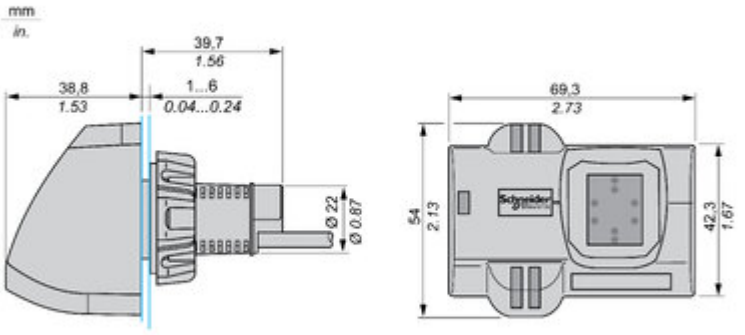
1 : (+)

3 : (-)

4 : Output

Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

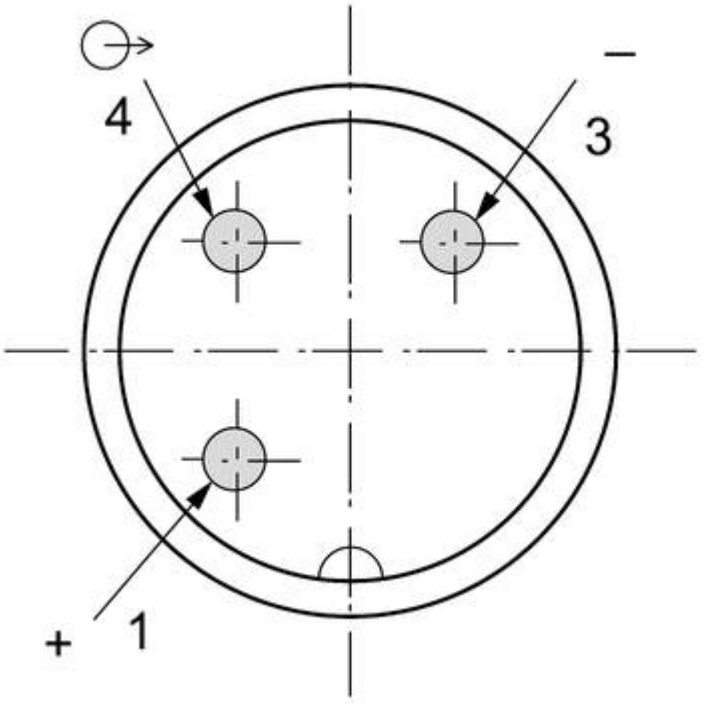


Image of product / Alternate images

Alternative






RGPD


RGPD

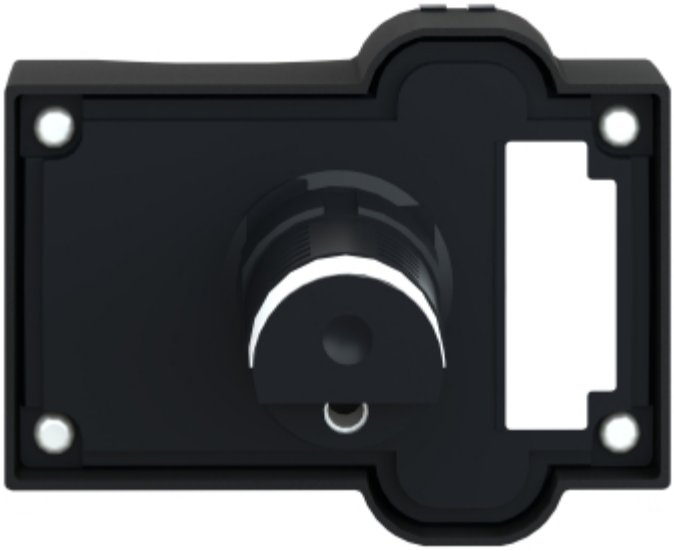




Image of product in real life situation

