

Product data sheet

Specifications



Bistable USB Biometric switch - connection by M12 connector

XB5S3B2M12

⚠ Discontinued on: Dec 2, 2020

⚠ End-of-service on: Dec 31, 2020

⚠ Discontinued

Main

Product Or Component Type	Biometric switch
Product Specific Application	Industrial machines Materials handling
Device Short Name	XB5S
Bezel Material	Dark grey plastic
Mounting Diamete	0.87 in (22 mm)
Output Type	PNP
Sale Per Indivisible Quantity	1
Ip Degree Of Protection	IP20 EN/IEC 60529 rear face) IP65 EN/IEC 60529 front face)
Type Of Operator	Stay put
Operator Position Information	2 positions
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 Horizontal position Vertical surface installation
Function Of Module	Bi-stable
Net Weight	0.47 lb(US) (0.215 kg)
Marking	CE
Port Protocol	USB
Connector Type	USB type A male 3.28 ft (1 m)
Local Signalling	for output state indicator 1 LED (green) for error 1 LED (red)
Short-Circuit Protection	250 mA external fuse gG
[Us] Rated Supply Voltage	24 V DC
Electrical Connection	M12 connector 0.66 ft (0.2 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.

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

Protection Type	Short-circuit Overload protection Reverse polarity
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 61000-6-2 IEC 61000-6-4
Product Certifications	CSA UL
Vibration Resistance	+/- 3 mm 5...9 Hz)IEC 60068-2-6 1 gn 9...500 Hz)IEC 60068-2-6
Shock Resistance	50 gn 11 ms IEC 60068-2-27

Ordering and shipping details

Category	22471-BIOMETRIC PUSHBUTTON DO NOT NEGOT.
Discount Schedule	I
Gtin	00785901236153
Returnability	No
Country Of Origin	FR

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-CO₂ 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 >](#)



Transparency

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation

[China RoHS declaration](#)

Environmental Disclosure

[Product Environmental Profile](#)

Weee

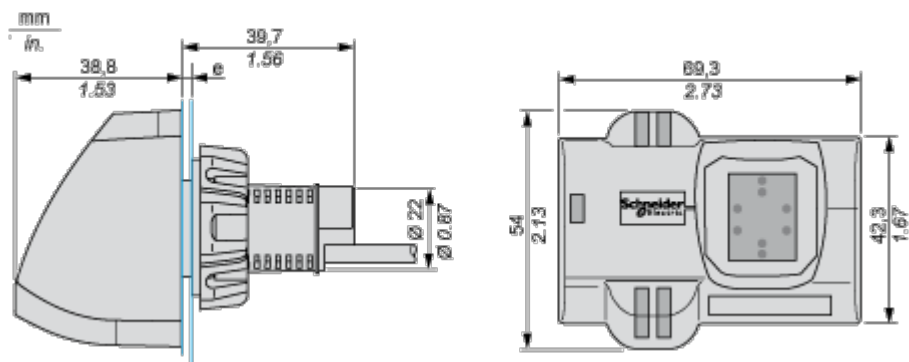
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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

Dimensions Drawings

Dimensions of Biometric Switches

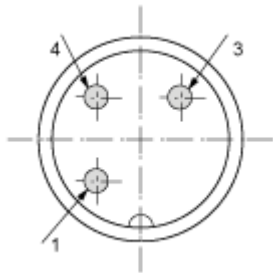


e: 1 to 6 mm / 0.04 to 0.24 in.

Connections and Schema

M12 Connector

M12 connector



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