Product data sheet

Specifications

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

XB5S1B2M12

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 506.00 USD

Main

Product Or Component Type	Biometric switch
Product Specific Application	Materials handling Industrial machines
Device Short Name	XB5S
Bezel Material	Dark grey plastic
Mounting Diameter	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

Enclosure Material	Polyamide PA66
Cable Insulation Material	PvR
Operating Position	Horizontal position Vertical surface installation Flat surface installation
Function Of Module	Bi-stable
Net Weight	0.40 lb(US) (0.183 kg)
Marking	CE
Local Signalling	for output state indicator 1 LED (green) for administrator's registration mode 1 LED (orange) for operator's registration mode 1 LED (orange) for error 1 LED (red) for reset 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.

Protection Type	Reverse polarity Overload protection Short-circuit
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 61000-6-4 IEC 61000-6-2
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	US1000I22471
Discount Schedule	000I
Gtin	3606480061400
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.56 in (6.5 cm)
Package 1 Width	3.74 in (9.5 cm)
Package 1 Length	7.28 in (18.5 cm)
Package 1 Weight	5.64 oz (160.0 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	3.52 lb(US) (1.596 kg)

Life Is On | Schneider Electric

Contractual warranty

Warranty   18 months

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_2 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 >
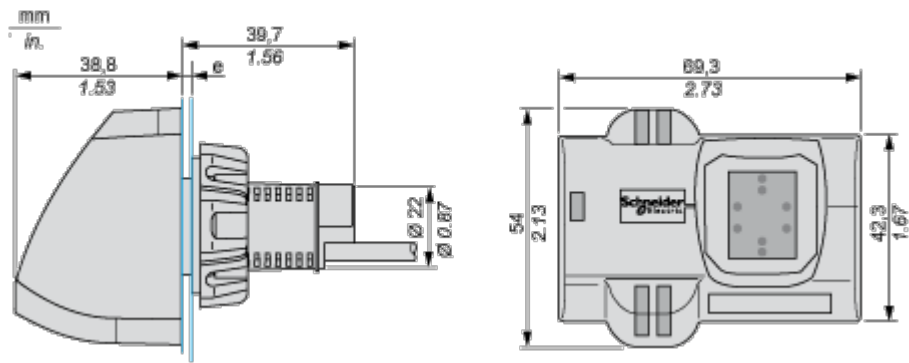
Guide to assess a product's sustainability >

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

---

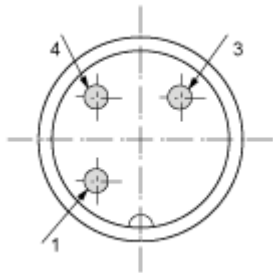Dimensions Drawings

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