

# Product data sheet

Specifications



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

XB5S8B2M12

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

Price\*: 506.00 USD

## Main

|                               |   |
|-------------------------------|---|
| Product or Component Type     | Biometric switch RGPD                                   |
| Product Specific Application  | Industrial machines<br>Materials handling               |
| 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)<br>IP65 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<br>Horizontal position<br>Vertical surface installation |
| Function of module        | Bi-stable   |
| Net 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          | for output state indicator 1 LED (green)<br>for error 1 LED (red)                 |
| Short-circuit protection  | 250 mA external fuse gG   |
| [Us] rated supply voltage | 24 V DC   |

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

|                           |  |
|---------------------------|--|
| Electrical connection     | M12 connector 0.7 ft (0.2 m)                             |
| Supply voltage limits     | 20...30 V DC   |
| Protection Type           | Short-circuit<br>Overload protection<br>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<br>IEC 61000-6-4                                   |
| Product Certifications                | CSA<br>UL  |
| Vibration resistance                  | +/- 3 mm 5...9 Hz)IEC 60068-2-6<br>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              | 3606489915506 |
| Returnability     | No            |
| Country of origin | FR            |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 2.60 in (6.6 cm)  |
| Package 1 Width              | 3.74 in (9.5 cm)  |
| Package 1 Length             | 7.24 in (18.4 cm) |
| Package 1 Weight             | 6.7 oz (190.0 g)  |

## 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<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 >](#)

[How we assess product sustainability >](#)

## Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

**Reach Regulation** [REACH Declaration](#)

**Eu Rohs Directive** Compliant with Exemptions

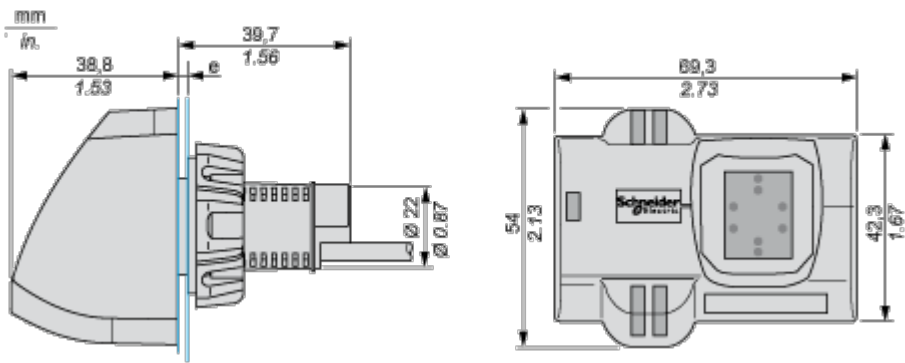
**China Rohs Regulation** [China RoHS declaration](#)

**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**

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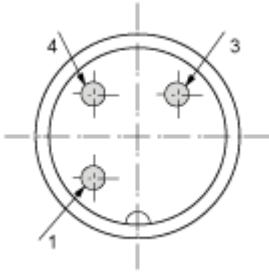
e: 1 to 6 mm / 0.04 to 0.24 in.

Connections and Schema

**M12 Connector**

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**M12 connector**

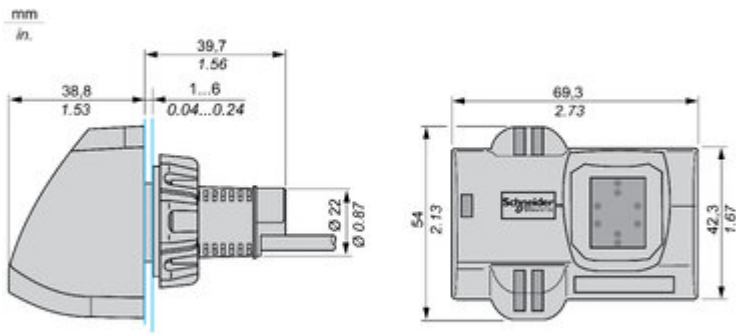


- 1 : (+)
- 3 : (-)
- 4 : Output

Technical Illustration

Dimensions

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Technical Illustration

Wiring diagram

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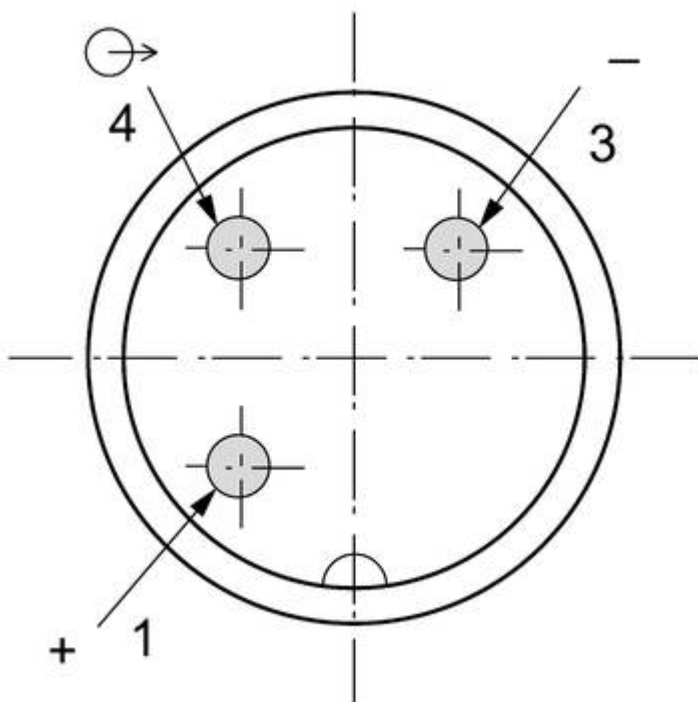


Image of product / Alternate images

Alternative

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