

# XB5S1B2M12

Harmony XB5S, Biometric switch bistable, plastic, Ø22, connection by M12 connector, 24 V AC/DC



## Main

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Product or Component Type     | Biometric switch                                              |
| Product Specific Application  | Materials handling<br>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)<br>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<br>Vertical surface installation<br>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)<br>For administrator's registration mode 1 LED (orange)<br>For operator's registration mode 1 LED (orange)<br>For error 1 LED (red)<br>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                                                                                                                                                                                          |
| Protection Type           | Reverse polarity<br>Overload protection<br>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<br>IEC 61000-6-2                                   |
| 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              | 22471 - BIOMETRIC PUSHBUTTON DO NOT NEGOT. |
| Discount Schedule     | I                                          |
| GTIN                  | 3606480061400                              |
| Nbr. of units in pkg. | 1                                          |
| Package weight(Lbs)   | 5.64 oz (160 g)                            |
| Returnability         | No                                         |
| Country of origin     | FR                                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| 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)      |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 8                      |
| Package 2 Weight             | 3.52 lb(US) (1.596 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 11.81 in (30 cm)       |
| Package 2 Length             | 15.75 in (40 cm)       |

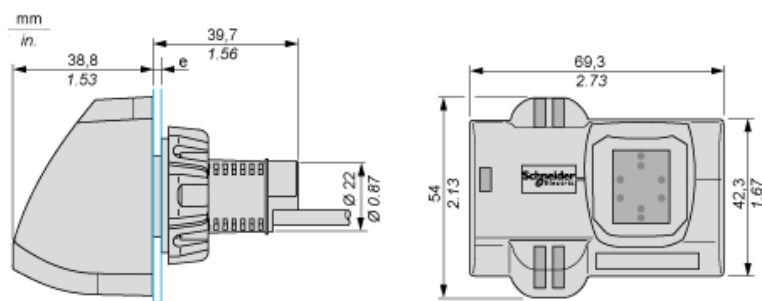
## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                                |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

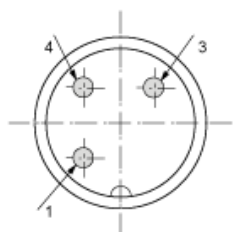
Dimensions of Biometric Switches



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

## M12 Connector

M12 connector



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