# Product data sheet
## Characteristics

# XB5S3B2M12
## Bistable USB Biometric switch - connection by M12 connector

Product availability : Stock - Normally stocked in distribution facility

Price* : 595.00 USD

## Main

| | |
|---|---|
| Product or component type | Biometric switch |
| Product specific application | Industrial machines<br>Materials handling |
| Device short name | XB5S |
| Bezel material | Plastic |
| Mounting diameter | 0.87 in (22 mm) |
| Output type | PNP |
| Sale per indivisible quantity | 1 |
| IP degree of protection | IP65 front face conforming to EN/IEC 60529<br>IP20 rear face conforming to EN/IEC 60529 |
| 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 |
| Product weight | 0.47 lb(US) (0.215 kg) |
| Marking | CE |
| Communication port protocol | USB |
| Type of connector | USB type A male with 3.28 ft (1 m) cable |

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

| | |
|---|---|
| Local signalling | 1 LED green, function: output state indicator<br>1 LED red, function: error |
| Short circuit protection | 250 mA by gG external fuse |
| [Us] rated supply voltage | 24 V DC |
| Electrical connection | M12 connector of 0.66 ft (0.2 m) |
| Supply voltage limits | 20...30 V DC |
| Protection type | Overload protection<br>Reverse polarity<br>Short-circuit |
| Maximum switching current | <= 200 mA |
| [Ures] residual voltage | <= 1 V, closed state |
| Current consumption | <= 70 mA no-load |
| Delay first up | 3 s + 0.5 ms per user registered |
| Delay recovery | 1.5 s |
| 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 (f = 5...9 Hz) conforming to IEC 60068-2-6<br>1 gn (f = 9...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms conforming to IEC 60068-2-27 |

## Ordering and shipping details

| | |
|---|---|
| Category | 22471 - BIOMETRIC PUSHBUTTON DO NOT NEGOT. |
| Discount Schedule | I |
| GTIN | 00785901236153 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.41999999999999998 |
| Returnability | N |
| Country of origin | FR |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Will not be compliant<br>Will not be compliant |

## Contractual warranty

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