**Product data sheet**

**XB5S3B2M12**

**Bistable USB Biometric switch - connection by M12 connector**

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

Price**: 595.00 USD

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### Main

<table>
<thead>
<tr>
<th>Product or component type</th>
<th>Biometric switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product specific application</td>
<td>Industrial machines Materials handling</td>
</tr>
<tr>
<td>Device short name</td>
<td>XB5S</td>
</tr>
<tr>
<td>Bezel material</td>
<td>Dark grey plastic</td>
</tr>
<tr>
<td>Mounting diameter</td>
<td>0.87 in (22 mm)</td>
</tr>
<tr>
<td>Output type</td>
<td>PNP</td>
</tr>
<tr>
<td>Sale per indivisible quantity</td>
<td>1</td>
</tr>
<tr>
<td>IP degree of protection</td>
<td>IP20 EN/IEC 60529 rear face) IP65 EN/IEC 60529 front face)</td>
</tr>
<tr>
<td>Type of operator</td>
<td>Stay put</td>
</tr>
<tr>
<td>Operator position information</td>
<td>2 positions</td>
</tr>
<tr>
<td>Operator profile</td>
<td>fingerprint reader</td>
</tr>
<tr>
<td>Memory usage</td>
<td>200 users with up to 2 fingerprints per user</td>
</tr>
</tbody>
</table>

### Complementary

<table>
<thead>
<tr>
<th>Software designation</th>
<th>XB5SSoft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure material</td>
<td>Polyamide PA66</td>
</tr>
<tr>
<td>Cable insulation material</td>
<td>PvR</td>
</tr>
<tr>
<td>Operating position</td>
<td>Flat surface installation Horizontal position Vertical surface installation</td>
</tr>
<tr>
<td>Function of module</td>
<td>Bi-stable</td>
</tr>
<tr>
<td>Net weight</td>
<td>0.47 lb (US) (0.215 kg)</td>
</tr>
<tr>
<td>Marking</td>
<td>CE</td>
</tr>
<tr>
<td>Port protocol</td>
<td>USB</td>
</tr>
<tr>
<td>Connector type</td>
<td>USB type A male 3.28 ft (1 m)</td>
</tr>
<tr>
<td>Local signalling</td>
<td>Output state indicator 1 LED green) Error 1 LED red)</td>
</tr>
<tr>
<td>Short-circuit protection</td>
<td>250 mA external fuse gG</td>
</tr>
<tr>
<td>[Us] rated supply voltage</td>
<td>24 V DC</td>
</tr>
</tbody>
</table>

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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.
Electrical connection
M12 connector 0.66 ft (0.2 m)

Supply voltage limits
20...30 V DC

Protection type
Short-circuit
Overload protection
Reverse polarity

Maximum switching current
200 mA

[\text{U}_{\text{res}}]\ residual voltage
1 V closed state

Current consumption
\leq 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

Package weight (Lbs)
0.19 kg (0.42 lb (US))

Returnability
No

Country of origin
FR

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 www.p65warnings.ca.gov

REACH Regulation
REACH Declaration

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

Mercury free
Yes

RoHS exemption information
Yes

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.

Contractual warranty
Warranty
18 months
Dimensions of Biometric Switches

1 to 6 mm / 0.04 to 0.24 in.
M12 Connector

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