

# Product data sheet

## Characteristics

# XB5S6B2M12

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



### Main

Product or component type	Biometric switch RGPD
Product specific application	Industrial machines Materials handling
Device short name	XB5S
Bezel material	Plastic
Mounting diameter	22 mm
Output type	PNP
Sale per indivisible quantity	1
IP degree of protection	IP20 (rear face) conforming to EN/IEC 60529 IP65 (front 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

Enclosure material	Polyamide PA66
Cable insulation material	PvR
Operating position	Horizontal position Flat surface installation Vertical surface installation
Function of module	Bi-stable
Net weight	0.183 kg
Marking	CE
Local signalling	1 LED (green) for output state indicator 1 LED (orange) for administrator's registration mode 1 LED (orange) for operator's registration mode 1 LED (red) for error 1 LED (red) for reset
Short-circuit protection	250 mA external fuse type gG
[Us] rated supply voltage	24 V DC
Electrical connection	M12 connector of 0.2 m
Supply voltage limits	20...30 V DC
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

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## Environment

Range of product	Harmony XB5S
Ambient air temperature for storage	-25...70 °C
Ambient air temperature for operation	-5...50 °C
NEMA degree of protection	NEMA 12
Standards	IEC 61000-6-4 IEC 61000-6-2
Product certifications	CSA[RETURN]JUL
Vibration resistance	+/- 3 mm (f= 5...9 Hz) conforming to IEC 60068-2-6 1 gn (f= 9...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn 11 ms conforming to IEC 60068-2-27

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	6.7 cm
Package 1 Length	18.4 cm
Package 1 Weight	160 g
Unit Type of Package 2	S02
Number of Units in Package 2	8
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	1.61 kg

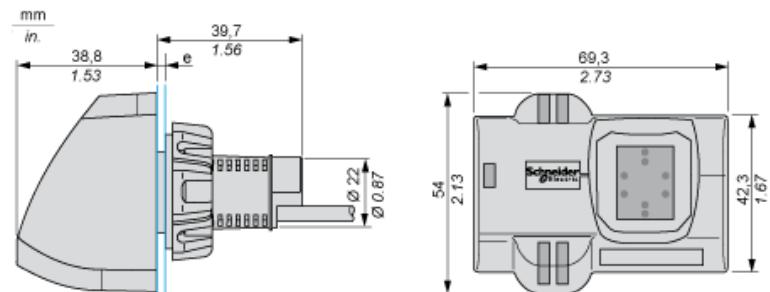
## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
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
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Dimensions of Biometric Switches



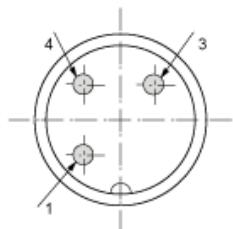
e: 1 to 6 mm / 0.04 to 0.24 in.

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### M12 Connector

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M12 connector



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