

Product datasheet

Specifications



Biometric switch monostable,
plastic, Ø22, connection by 2m
cable, 24 V AC/DC

XB5S2B2L2

Main

Product Or Component Type	Biometric switch
Product Specific Application	Industrial machines Materials handling
Device Short Name	XB5S
Bezel Material	Dark grey plastic
Mounting Diamete	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	Momentary
Operator Profile	fingerprint reader
Connections - Terminals	1 pre-wired cable, 3 x 0.34 mm²
Memory Usage	200 users with up to 2 fingerprints per user

Complementary

Enclosure Material	Polyamide PA66
Cable Insulation Material	PvR
Operating Position	Flat surface installation Horizontal position Vertical surface installation
Function Of Module	Monostable
Net Weight	0.17 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	free wire ends with 3 wires of 2 m
Supply Voltage Limits	20...30 V DC
Protection Type	Overload protection Short-circuit Reverse polarity

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

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	-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	UL CSA
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	6.8 cm
Package 1 Width	9.5 cm
Package 1 Length	18.5 cm
Package 1 Weight	201.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	24
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.306 kg

Contractual warranty

Warranty	18 months
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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-CO₂ 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 >](#)

[Guide to assess a product's sustainability >](#)



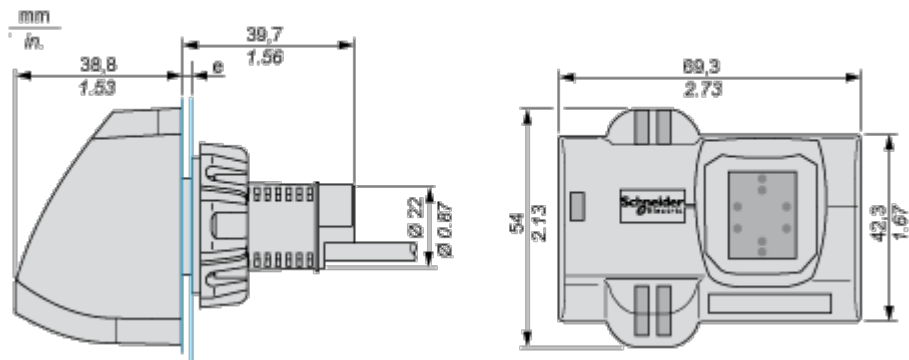
Transparency

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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

Dimensions Drawings

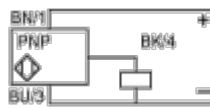
Dimensions of Biometric Switches



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

Connections and Schema

Cable with PNP Output



- BU: Blue
- BN: Brown
- BK: Black