



### Main

Product or component type	Biometric switch
Product specific application	Materials handling Industrial machines
Device short name	XB5S
Bezel material	Plastic
Mounting diameter	22 mm
Output type	PNP
Sale per indivisible quantity	1
IP degree of protection	IP65 front face conforming to EN/IEC 60529 IP20 rear face conforming to EN/IEC 60529
Type of operator	Momentary
Operator profile	Fingerprint reader
Connections - terminals	1 pre-wired cable, clamping capacity: 3 x 0.11 mm <sup>2</sup>
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	Horizontal position Flat surface installation Vertical surface installation
Function of module	Monostable
Product weight	0.202 kg
Marking	CE
Port protocol	USB
Connector type	USB type A male with 1 m cable
Local signalling	1 LED green, function: output state indicator 1 LED red, function: error
Short-circuit protection	250 mA by gG external fuse
[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
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	-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 for 11 ms conforming to IEC 60068-2-27

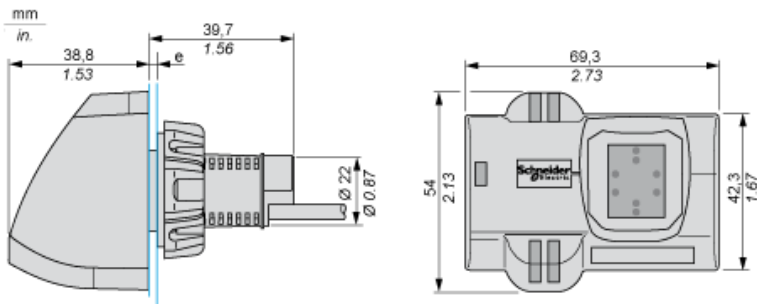
## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0844 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available

## Contractual warranty

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

Dimensions of Biometric Switches

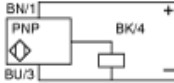


e: 1 to 6 mm / 0.04 to 0.24 in.

---

Cable with PNP Output

---



BU: Blue  
BN: Brown  
BK: Black