Product data sheet
Characteristics

XB5S7B2M12
Biometric switch monostable 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 IEC 60529 IP65 (front face) conforming to IEC 60529
Type of operator	Momentary
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	Monostable
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	Overload protection Short-circuit Reverse polarity
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 61000-6-2 IEC 61000-6-4
Product certifications	CSA[RETURN]UL
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	6.6 Cm
Package 1 Width	9.5 Cm
Package 1 Length	18.5 Cm
Package 1 Weight	160.0 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	1.606 Kg

Offer Sustainability

Total lifecycle Carbon footprint	172 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4.5081859374999995
Carbon footprint of the manufacturing phase [A1 to A3]	5 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.023930109375
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.09654203125000001
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	167.52999999999997
Carbon footprint of the use phase [B2, B3, B4, B6]	168 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.1811128125
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	172
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
Product repair index	A
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised