Product data sheet
Characteristics

XGHB320246
Electronic tag, Radio frequency identification XG, RFID 13.56 MHz, disc Ø 30 x 3, 2000 Bytes

Main

Range of Product	Telemecanique Radio frequency identification XG
Product or Component Type	Electronic tag
RFID electronic tag name	XGHB
RFID Frequency	13.56 MHz
Design	Disc
Memory capacity	2 kB
Associated smart antenna	XGCS
[Sn] nominal sensing distance	1.65 In (42 mm) XGCS49 + field expander XGFEC540 1.89 In (48 mm) XGCS49 2.56 In (65 mm) XGCS89 3.15 In (80 mm) XGCS49 + field expander XGFEC2525 2.56 in (65 mm) XGCS85
Outer dimension	Ø 30 x 3 mm
Quantity per Set	Set of 5
Read time	7 + 2 x (number of 16-bit words) ms
Write time	7 + 2.4 x (number of 16-bit words) ms
IP Degree of Protection	IP68
Fixing Mode	By screws

Complementary

Memory type	FeRAM
Memory operation	Read/write
Number of read cycles	10000000000
Number of write cycles	10000000000 -13…158 °F (-25…70 °C)
Maximum linear speed with "auto read/write function"	6.89 Ft/S (2.1 m/s) XGCS49 read a serial number) 4.92 Ft/S (1.5 m/s) XGCS49 read a word) 1.97 Ft/S (0.6 m/s) XGCS49 read or write 10 words) 11.48 Ft/S (3.5 m/s) XGCS89 read a serial number) 8.20 Ft/S (2.5 m/s) XGCS89 read a word) 3.28 Ft/S (1 m/s) XGCS89 read or write 10 words) 11.48 Ft/S (3.5 m/s) XGCS85 read a serial number) 8.20 Ft/S (2.5 m/s) XGCS85 read a word) 3.28 ft/s (1 m/s) XGCS85 read or write 10 words)
Data Retention Time	10 year(s)
Material	PPA (polyphthalamide)
Net Weight	0.01 lb(US) (0.005 kg)

Environment

Standards	ISO 15693
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Vibration resistance	2 mm 5…29.5 Hz)EN 60068-2-6 7 gn 29.5…150 Hz)EN 60068-2-6
Shock resistance	30 gn 11 ms EN 60068-2-27
IK degree of protection	IK02 EN 50102

Ordering and shipping details

Category	22491 - SENS,IDENTIFICATION DEVICE (XGK)
Discount Schedule	DS2
GTIN	03389119056458
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	MY

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.39 in (1 cm)
Package 1 width	2.36 in (6 cm)
Package 1 Length	3.54 in (9 cm)
Unit Type of Package 2	BAG
Number of Units in Package 2	5
Package 2 Weight	0.63 oz (18 g)
Package 2 Height	5.51 in (14 cm)
Package 2 width	3.15 in (8 cm)
Package 2 Length	0.39 in (1 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	250
Package 3 Weight	2.30 lb(US) (1.042 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	5.91 in (15 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months