

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	42 Mm with XGCS49 + field expander XGFEC540 48 Mm with XGCS49 65 Mm with XGCS89 80 Mm with XGCS49 + field expander XGFEC2525 65 mm with 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 at -25...70 °C
Maximum linear speed with "auto read/write function"	2.1 M/S with XGCS49 (read a serial number) 1.5 M/S with XGCS49 (read a word) 0.6 M/S with XGCS49 (read or write 10 words) 3.5 M/S with XGCS89 (read a serial number) 2.5 M/S with XGCS89 (read a word) 1 M/S with XGCS89 (read or write 10 words) 3.5 M/S with XGCS85 (read a serial number) 2.5 M/S with XGCS85 (read a word) 1 m/s with XGCS85 (read or write 10 words)
Data retention time	10 year(s)
Material	PPA (polyphthalamide)
Net weight	0.005 kg




Environment

Standards	ISO 15693
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	2 mm conforming to IEC 60068-2-6 (f = 5...29.5 Hz) 7 gn conforming to IEC 60068-2-6 (f = 29.5...150 Hz)
Shock resistance	30 gn conforming to IEC 60068-2-27 for 11 ms
IK degree of protection	IK02 conforming to IEC 62262

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.000 cm
Package 1 Width	9.000 cm
Package 1 Length	1.000 cm
Package 1 Weight	3.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	8.000 cm
Package 2 Width	13.500 cm
Package 2 Length	1.000 cm
Package 2 Weight	18.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	250
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	1.042 kg

Offer Sustainability

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
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