

XGHB320246

Electronic tag, Radio frequency identification
XG, RFID 13.56 MHz, disc $\tilde{\text{A}}$ 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

Toxic heavy metal free	Yes
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com