Product data sheet
Characteristics

XGHB440245
Electronic tag, Radio frequency identification XG, RFID 13.56 MHz, flat form 40 x 40 x 15, 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	Flat form 40 x 40 x 15
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	40 x 40 x 15 mm
Quantity per set	Set of 1
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 clips 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)
Mounting location	Possible on metal support
Material	PBT (polybutylene terephthalate)
Net weight	0.031 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 = 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	2.0 cm
Package 1 Width	6.0 cm
Package 1 Length	9.0 cm
Package 1 Weight	38.0 g

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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com