



### 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	13.632 kB
Associated smart antenna	XGCS
[Sn] nominal sensing distance	40 Mm with XGCS89 40 mm with XGCS85
Outer dimension	40 x 40 x 15 mm
Quantity per set	Set of 1
Read time	16.25 + 0.375 x (number of 16-bit words) ms
Write time	20 + 0.8 x (number of 16-bit words) ms
IP degree of protection	IP68
Fixing mode	By screws By clips

### Complementary

Memory type	EEPROM
Memory operation	Read/write
Number of read cycles	Unlimited
Number of write cycles	100000 at -25...70 °C 2500000 at 30 °C
Maximum linear speed with "auto read/write function"	4.2 M/S with XGCS89 (read a serial number) 4.2 M/S with XGCS85 (read a serial number) 2.6 M/S with XGCS49 (read a serial number) 1 M/S with XGCS49 (read a word) 0.9 M/S with XGCS49 (read or write 10 words) 2 M/S with XGCS89 (read a word) 1.5 M/S with XGCS89 (read or write 10 words) 2 M/S with XGCS85 (read a word) 1.5 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 14443
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	2 mm conforming to EN 60068-2-6 (f = 5...29.5 Hz) 7 gn conforming to EN 60068-2-6 (f = 29.5...150 Hz)
Shock resistance	30 gn conforming to EN 60068-2-27 for 11 ms
IK degree of protection	IK02 conforming to EN 50102

## Packing Units

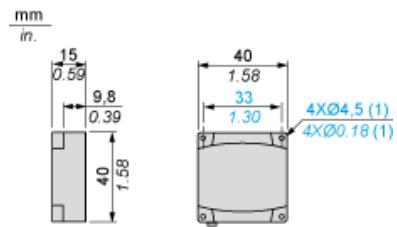
Unit Type of Package 1	PCE
Number of Units in Package 1	1

## Contractual warranty

Warranty	18 months
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Dimensions

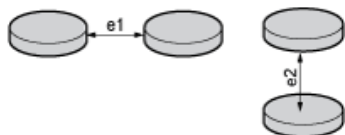
Updatable Code Electronic Tags



(1) For CHC type screws

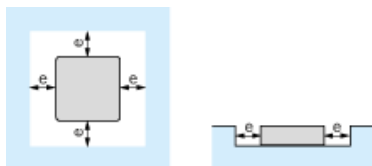
Minimum Mounting Distances

Distance Between Tags



XGCS4901201 smart antenna (format 40)		XGCS8•• smart antennas (format 80)	
e1	e2	e1	e2
10	10	60	10

Minimum Mounting Distances in a Metal Structure



(e) ≥ 20 mm.