

## Product data sheet

### Characteristics

# XGHB443245

Electronic tag, Radio frequency identification  
XG, RFID 13.56 MHz, flat form 40 x 40 x 15,  
32768 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	32 kB
Associated smart antenna	XGCS
[Sn] nominal sensing distance	25 Mm with XGCS49 39 Mm with XGCS89 39 mm with XGCS85
Outer dimension	40 x 40 x 15 mm
Quantity per set	Set of 1
Read time	6 + 0.25 x (number of 16-bit words) ms
Write time	6 + 0.25 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"	2.3 M/S with XGCS49 (read a serial number) 1.8 M/S with XGCS49 (read a word) 1.7 M/S with XGCS49 (read or write 10 words) 3.8 M/S with XGCS89 (read a serial number) 3 M/S with XGCS89 (read a word) 2.6 M/S with XGCS89 (read or write 10 words) 3.8 M/S with XGCS85 (read a serial number) 3 M/S with XGCS85 (read a word) 2.6 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 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	2.000 cm
Package 1 Width	6.100 cm
Package 1 Length	8.800 cm
Package 1 Weight	47.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	32
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	1.735 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
RoHS exemption information	 Yes

## Contractual warranty

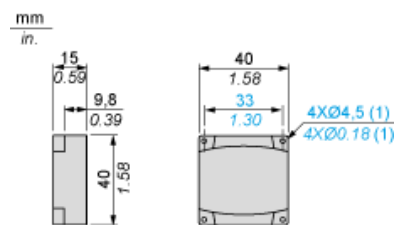
Warranty	18 months
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## Dimensions

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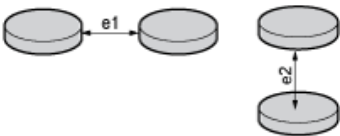
### Updatable Code Electronic Tags



(1) For CHC type screws

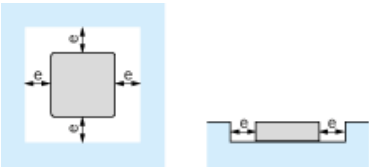
Minimum Mounting Distances

Distance Between Tags



XGCS4901201 smart antenna (format 40)		XGCS8•• smart antennas (format 80)	
e1	e2	e1	e2
30	10	60	10

Minimum Mounting Distances in a Metal Structure



(e) ≥ 20 mm.