

# 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	1.65 In (42 mm) XGCS49 + field expander XGFEC540 1.89 In (48 mm) XGCS49 2.56 In (65 mm) XGCS89 3.15 In (80 mm) XGCS49 + field expander XGFEC2525 2.56 in (65 mm) 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 -13...158 °F (-25...70 °C)
Maximum linear speed with "auto read/write function"	6.89 Ft/S (2.1 m/s) XGCS49 read a serial number 4.92 Ft/S (1.5 m/s) XGCS49 read a word 1.97 Ft/S (0.6 m/s) XGCS49 read or write 10 words 11.48 Ft/S (3.5 m/s) XGCS89 read a serial number 8.20 Ft/S (2.5 m/s) XGCS89 read a word 3.28 Ft/S (1 m/s) XGCS89 read or write 10 words 11.48 Ft/S (3.5 m/s) XGCS85 read a serial number 8.20 Ft/S (2.5 m/s) XGCS85 read a word 3.28 ft/s (1 m/s) XGCS85 read or write 10 words
Data Retention Time	10 year(s)
Mounting Location	Possible on metal support
Material	PBT (polybutylene terephthalate)
Net Weight	0.07 lb(US) (0.031 kg)

### Environment

Standards	ISO 15693
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Vibration resistance	2 mm 29.5...150 Hz)EN 60068-2-6
Shock resistance	30 gn 11 ms EN 60068-2-27
IK degree of protection	IK02 EN 50102

## Ordering and shipping details

Category	22491-SENS, IDENTIFICATION DEVICE (XGK)
Discount Schedule	DS2
GTIN	3389119055239
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.79 in (2.0 cm)
Package 1 Width	2.36 in (6.0 cm)
Package 1 Length	3.54 in (9.0 cm)
Package 1 Weight	1.34 oz (38.0 g)

## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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