

# XGHB90E340

Electronic tag, Radio frequency identification  
XG, RFID 13.56 MHz, ISO badge 54 x 85.5 x 1,  
256 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	ISO badge
Memory capacity	256 B
Associated smart antenna	XGCS
[Sn] nominal sensing distance	3.94 In (100 mm) XGCS89 5.91 In (150 mm) XGCS49 + field expander XGFEC2525 2.76 In (70 mm) XGCS49 3.54 In (90 mm) XGCS49 + field expander XGFEC540 3.94 in (100 mm) XGCS85
Outer dimension	54 x 85.5 x 1 mm
Quantity per Set	Set of 10
Read time	12 + 0.825 x (number of 16-bit words) ms
Write time	20 + 11.8 x (number of 16-bit words) ms
IP Degree of Protection	IP65

## Complementary

Memory type	EEPROM
Memory operation	Read/write
Number of read cycles	Unlimited
Number of write cycles	100000 -13...122 °F (-25...50 °C) 2500000 86 °F (30 °C)
Maximum linear speed with "auto read/write function"	1.97 Ft/S (0.6 m/s) XGCS49 read or write 10 words) 17.39 Ft/S (5.3 m/s) XGCS49 read a serial number) 5.25 Ft/S (1.6 m/s) XGCS49 read a word) 23.29 Ft/S (7.1 m/s) XGCS89 read a serial number) 13.12 Ft/S (4 m/s) XGCS89 read a word) 2.62 Ft/S (0.8 m/s) XGCS89 read or write 10 words) 23.29 Ft/S (7.1 m/s) XGCS85 read a serial number) 13.12 Ft/S (4 m/s) XGCS85 read a word) 2.62 ft/s (0.8 m/s) XGCS85 read or write 10 words)
Data Retention Time	10 year(s)
Material	PVC (polyvinyl chloride)
Net Weight	0.01 lb(US) (0.005 kg)

## Environment

Standards	ISO 15693
Ambient air temperature for operation	-13...122 °F (-25...50 °C)
Ambient Air Temperature for Storage	-40...131 °F (-40...55 °C)
Vibration resistance	2 mm 5...29.5 Hz)EN 60068-2-6 7 gn 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	3389119021272
Nbr. of units in pkg.	1
Package weight(Lbs)	0.18 oz (5 g)
Returnability	Yes
Country of origin	DE

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.39 in (1 cm)
Package 1 width	2.17 in (5.5 cm)
Package 1 Length	3.54 in (9 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	500
Package 2 Weight	6.78 lb(US) (3.076 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
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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Dimensions

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mm  
in.

