



## Main

Range of product	OsiSense 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	3.408 kB
Associated smart antenna	XGCS
[Sn] nominal sensing distance	33 mm with XGCS49 48 mm with XGCS89 48 mm with XGCS85
Outer dimension	40 x 40 x 15 mm
Quantity per set	Set of 1
Read time	$9.25 + 0.375 \times (\text{number of 16-bit words})$ ms
Write time	$13 + 0.8 \times (\text{number of 16-bit words})$ 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"	3.1 m/s with XGCS49 (read a serial number) 1.4 m/s with XGCS49 (read a word) 2.7 m/s with XGCS89 (read a word) 2.7 m/s with XGCS85 (read a word) 1.2 m/s with XGCS49 (read or write 10 words) 4.8 m/s with XGCS89 (read a serial number)

1.8 m/s with XGCS89 (read or write 10 words)  
4.8 m/s with XGCS85 (read a serial number)  
1.8 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)
Product 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

## Offer Sustainability

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