



## Main

Range of product	OsiSense 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	100 Mm with XGCS89 150 Mm with XGCS49 + field expander XGFEC2525 70 Mm with XGCS49 90 Mm with XGCS49 + field expander XGFEC540 100 mm with 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 at -25...50 °C 2500000 at 30 °C
Maximum linear speed with "auto read/write function"	0.6 M/S with XGCS49 (read or write 10 words) 5.3 M/S with XGCS49 (read a serial number) 1.6 M/S with XGCS49 (read a word) 7.1 M/S with XGCS89 (read a serial number) 4 M/S with XGCS89 (read a word) 0.8 M/S with XGCS89 (read or write 10 words) 7.1 M/S with XGCS85 (read a serial number) 4 M/S with XGCS85 (read a word) 0.8 m/s with XGCS85 (read or write 10 words)
Data retention time	10 year(s)
Material	PVC (polyvinyl chloride)
Net weight	0.005 kg






## Environment

Standards	ISO 15693
Ambient air temperature for operation	-25...50 °C
Ambient air temperature for storage	-40...55 °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
Package 1 Weight	5 g
Package 1 Height	1 cm
Package 1 width	5.5 cm
Package 1 Length	9 cm
Unit Type of Package 2	S01
Number of Units in Package 2	500
Package 2 Weight	3.076 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
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.

