



### 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	2 kB
Associated smart antenna	XGCS
[Sn] nominal sensing distance	42 mm with XGCS49 + field expander XGFEC540 48 mm with XGCS49 65 mm with XGCS89 80 mm with XGCS49 + field expander XGFEC2525 65 mm with 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 at -25...70 °C
Maximum linear speed with "auto read/write function"	2.1 m/s with XGCS49 (read a serial number) 1.5 m/s with XGCS49 (read a word) 0.6 m/s with XGCS49 (read or write 10 words) 3.5 m/s with XGCS89 (read a serial number) 2.5 m/s with XGCS89 (read a word) 1 m/s with XGCS89 (read or write 10 words) 3.5 m/s with XGCS85 (read a serial number) 2.5 m/s with XGCS85 (read a word) 1 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 15693
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 = 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	38 g
Package 1 Height	2 cm
Package 1 width	6 cm
Package 1 Length	9 cm

## Offer Sustainability

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>