



Main

Range of product	OsiSense XG
Product or component type	Electronic tag
RFID electronic tag name	XGHB
RFID frequency	13.56 MHz
Design	Disc
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	Ø 30 x 3 mm
Quantity per set	Set of 5
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 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)
Material	PPA (polyphthalamide)

Product weight	0.005 kg
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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 = 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

EU RoHS Directive	Not applicable, out of EU RoHS legal scope
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Contractual warranty

Warranty	18 months
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