XGHB444345

RFID electronic tag - 13.56 MHz - flat form 40 x 40 x 15 - 3408 Bytes

Green Premium™ Product

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 x (number of 16-bit words) ms
Write time	13 + 0.8 x (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)
Net 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

Packing Units

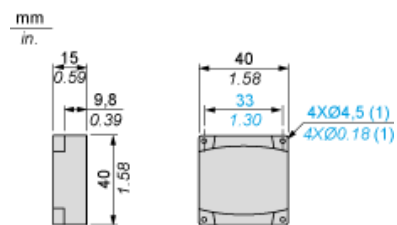|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	38 g
Package 1 Height	9 cm
Package 1 width	2 cm
Package 1 Length	6 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

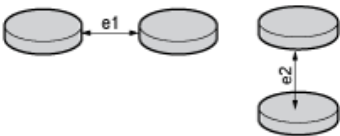|	
Warranty	18 months

Dimensions

Updatable Code Electronic Tags

(1)   For CHC type screws

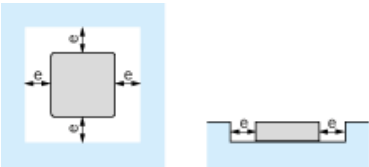## Minimum Mounting Distances

Distance Between Tags

XGCS4901201 smart antenna (format 40)		XGCS8•• smart antennas (format 80)	
e1	e2	e1	e2
20	10	70	40

Minimum Mounting Distances in a Metal Structure

(e) ≥ 20 mm.

Telemecanique
Sensors