



## 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	48 mm with XGCS85 33 mm with XGCS49 48 mm with XGCS89
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 clips By screws

## Complementary

Memory type	EEPROM
Memory operation	Read/write
Number of read cycles	Unlimited
Number of write cycles	2500000 at 30 °C 100000 at -25...70 °C
Maximum linear speed with "auto read/write function"	With XGCS49 (read a serial number) With XGCS49 (read a word) With XGCS49 (read or write 10 words) With XGCS89 (read a serial number) With XGCS89 (read a word) With XGCS89 (read or write 10 words)

With XGCS85 (read a serial number)  
With XGCS85 (read a word)  
With XGCS85 (read or write 10 words)

Data retention time	10 yr
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 (f = 5...29.5 Hz) conforming to EN 60068-2-6 7 gn (f = 29.5...150 Hz) conforming to EN 60068-2-6
Shock resistance	30 gn for 11 ms conforming to EN 60068-2-27
IK degree of protection	IK02 conforming to EN 50102

## Offer Sustainability

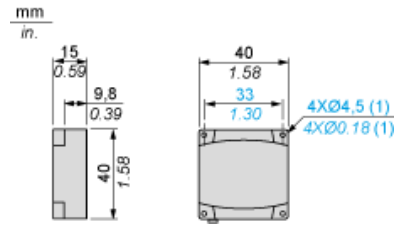
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0824 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product Environmental Profile</a>
Product end of life instructions	Available <a href="#">End of Life Information</a>

## Contractual warranty

Warranty period	18 months
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Dimensions

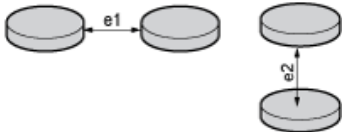
Updatable Code Electronic Tags



(1) For CHC type screws

Minimum Mounting Distances

Distance Between Tags

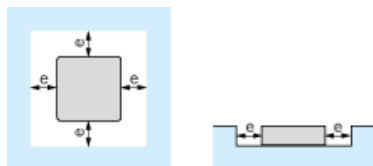


XGCS4901201 smart antenna (format 40)		XGCS8•• smart antennas (format 80)	
e1	e2	e1	e2
20	10	70	40

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Minimum Mounting Distances in a Metal Structure

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(e) ≥ 20 mm.