XGHB211345

Electronic tag, Radio frequency identification XG, RFID 13.56 MHz, cylindrical M18, 256 Bytes

Green Premium™ Product

Main

Range of Product	Telemecanique Radio frequency identification XG
Product or Component Type	Electronic tag
RFID electronic tag name	XGHB
RFID Frequency	13.56 MHz
Design	Cylindrical M18
Memory capacity	256 B
Associated smart antenna	XGCS
[Sn] nominal sensing distance	0.71 In (18 mm) XGCS49 0.79 In (20 mm) XGCS89 0.79 in (20 mm) XGCS85
Outer dimension	M18 x 1 x 12
Quantity per Set	Set of 5
Read time	12 + 0.825 x (number of 16-bit words) ms
Write time	19 + 4.1 x (number of 16-bit words) ms
IP Degree of Protection	IP68
Fixing Mode	By screws

Complementary

Memory type	EEPROM
Memory operation	Read/write
Number of read cycles	Unlimited
Number of write cycles	100000 -13…158 °F (-25…70 °C) 2500000 86 °F (30 °C)
Maximum linear speed with "auto read/write function"	5.91 Ft/S (1.8 m/s) XGCS49 read a serial number) 1.97 Ft/S (0.6 m/s) XGCS49 read a word) 0.66 Ft/S (0.2 m/s) XGCS49 read or write 10 words) 10.50 Ft/S (3.2 m/s) XGCS89 read a serial number) 3.61 Ft/S (1.1 m/s) XGCS89 read a word) 1.97 Ft/S (0.6 m/s) XGCS89 read or write 10 words) 10.50 Ft/S (3.2 m/s) XGCS85 read a serial number) 3.61 Ft/S (1.1 m/s) XGCS85 read a word) 1.97 ft/s (0.6 m/s) XGCS85 read or write 10 words)
Data Retention Time	10 year(s)
Material	PBT (polybutylene terephthalate)
Net Weight	0.04 lb(US) (0.02 kg)

Environment

Standards	ISO 15693
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Vibration resistance	2 mm 5…29.5 Hz)EN 60068-2-6 7 gn 29.5…150 Hz)EN 60068-2-6
Shock resistance	30 gn 11 ms EN 60068-2-27
IK degree of protection	IK02 EN 50102

Ordering and shipping details

Category	22491 - SENS,IDENTIFICATION DEVICE (XGK)
Discount Schedule	DS2
GTIN	3389119021289
Nbr. of units in pkg.	1
Package weight(Lbs)	0.18 oz (5 g)
Returnability	No
Country of origin	FR

Packing Units

|	
Unit Type of Package 1	PCE
Package 1 Height	0.79 in (2 cm)
Package 1 width	2.36 in (6 cm)
Package 1 Length	3.54 in (9 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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

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Dimensions

Updatable Code Electronic Tags

mm
―――
in.

12
0.47

M18X1
M0.71X0.04

XGHB211345
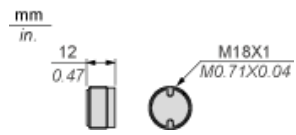
Minimum Mounting Distances

Distance Between Tags
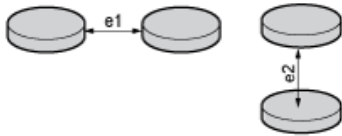
XGCS4901201 smart antenna (format 40)		XGCS8•• smart antennas (format 80)	
e1	e2	e1	e2
40	10	120	20

Minimum Mounting Distances in a Metal Structure

No metal parts within 25 mm of the tag