# XGHB211345

RFID electronic tag - 13.56 MHz - cylindrical M18 - 256 Bytes

Green Premium

## Main

| | |
|---|---|
| Range of product | OsiSense 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 | 18 mm with XGCS49<br>20 mm with XGCS89<br>20 mm with 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

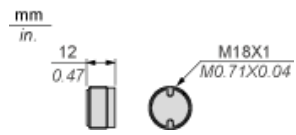| | |
|---|---|
| Memory type | EEPROM |
| Memory operation | Read/Write |
| Number of read cycles | Unlimited |
| Number of write cycles | 100000 at -25...70 °C<br>2500000 at 30 °C |
| Maximum linear speed with "auto read/write function" | With XGCS49 (read a serial number)<br>With XGCS49 (read a word)<br>With XGCS49 (read or write 10 words)<br>With XGCS89 (read a serial number)<br>With XGCS89 (read a word)<br>With XGCS89 (read or write 10 words)<br>With XGCS85 (read a serial number)<br>With XGCS85 (read a word)<br>With XGCS85 (read or write 10 words) |
| Data retention time | 10 yr |
| Material | PBT (polybutylene terephthalate) |
| Product weight | 0.02 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 (f = 5...29.5 Hz) conforming to EN 60068-2-6<br>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

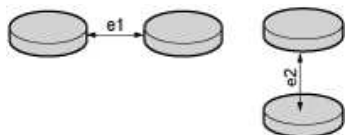| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0824 - Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Available Download End Of Life Manual |

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## Dimensions

### Updatable Code Electronic Tags

$\dfrac{mm}{in.}$

$\dfrac{12}{0.47}$

M18X1
M0.71X0.04

## 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

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