



Main

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| Range of product | OsiSense XG |
| Product or component type | Electronic tag |
| RFID electronic tag name | XGHB |
| RFID frequency | 13.56 MHz |
| Design | ISO badge |
| Memory capacity | 256 B |
| Associated smart antenna | XGCS |
| [Sn] nominal sensing distance | 100 mm with XGCS89 150 mm with XGCS49 + field expander XGFEC2525 70 mm with XGCS49 90 mm with XGCS49 + field expander XGFEC540 100 mm with XGCS85 |
| Outer dimension | 54 x 85.5 x 1 mm |
| Quantity per set | Set of 10 |
| Read time | 12 + 0.825 x (number of 16-bit words) ms |
| Write time | 20 + 11.8 x (number of 16-bit words) ms |
| IP degree of protection | IP65 |

Complementary

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| Memory type | EEPROM |
| Memory operation | Read/write |
| Number of read cycles | Unlimited |
| Number of write cycles | 100000 at -25...50 °C 2500000 at 30 °C |
| Maximum linear speed with "auto read/write function" | 0.6 m/s with XGCS49 (read or write 10 words) 5.3 m/s with XGCS49 (read a serial number) 1.6 m/s with XGCS49 (read a word) 7.1 m/s with XGCS89 (read a serial number) 4 m/s with XGCS89 (read a word) 0.8 m/s with XGCS89 (read or write 10 words) 7.1 m/s with XGCS85 (read a serial number) |

4 m/s with XGCS85 (read a word)
0.8 m/s with XGCS85 (read or write 10 words)

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|---------------------|--------------------------|
| Data retention time | 10 year(s) |
| Material | PVC (polyvinyl chloride) |
| Product weight | 0.005 kg |

Environment

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| Standards | ISO 15693 |
| Ambient air temperature for operation | -25...50 °C |
| Ambient air temperature for storage | -40...55 °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

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| 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

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| Warranty | 18 months |
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Dimensions

mm
in.

