

DATA SHEET



ATEX Max R Tag



Zone 0

| Product Description | | ATEX Max R Tag |
|---|--|---|
| Physical Specifications | | |
| Encasement | ABS or Polycarbonate | |
| Size (mm) (tolerance) | 104 x 33 x 8.4 (+/-1.0) / 4.1 x 1.3 x 0.33 (+/-0.04) | |
| Weight | 22gr | |
| RF Specifications | | |
| Protocol | EPC Class 1 Gen2 | |
| Frequency Range (MHz) | 902–928 (US), 866–868 (EU), 952–954 (JPN) | |
| Read Range (Fixed reader) 1 | Up to 12.0 (US) , Up to 10.0 (EU), Up to 7.0 (JPN) | |
| Read Range (Handheld reader) 1 | Up to 6.0 (US) , Up to 5.0 (EU), Up to 3.5 (JPN) | |
| Material Compatibility | Metal and non metallic substrates | |
| IC Type (chip) | Alien H3 | |
| Memory 2 | EPC - 96bits, User - 512bits, TID - 64bits | |
| Environmental Specification | | |
| Operating Temperature | ABS: -40 to +55 °C / PC: -40 to +85 °C | |
| Long term Max Temperature 1 exposure - (days,weeks,years) | ABS: +55 °C PC: +85 °C | |
| Short term Max Temperature 1 exposure - (minutes,hours) | ABS: +65 °C PC: +95 °C | |
| IP Rating | IP68 | |
| Shock and Vibration | MIL STD 810-F | |
| Impact | 8kg from 1m | |
| Attachment | Manual (standard) Film adhesive (option) Standard foam adhesive (option) Premium foam adhesive (option) | |
| Certifications | RoHS approved CE approved ATEX/IECEx certified (option) US&Canada (C1D1/D2) certified (option) | |
| ATEX | | II 1G Ex ia IIA Ga II 2G Ex ia IIB Ga I M1 Ex ia Ma Class I, Div 1 Groups D Can also be used in ATEX/IECEx (NOT FM!) Zone 0 IIC provided it is used in a fixed installation only. |
| Article no: | | |
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| Typical Applications | | |
| Suitable for metal environment | Offshore | |
| Maintenance & Service | Oil & Gas | |
| Industrie & Logistics | Chemical Industry | |

Contact:

sales@agillox.com
www.agillox.com