


DATA SHEET



ATEX Prox R Tag



Zone 0

Product Description		ATEX Prox R Tag
Physical Specifications		
Encasement	Polycarbonate	
Size (mm) (tolerance)	50 x 16 x 8.4 (+/- 1.0) / 1.97 x 0.63 x 0.33 (+/-0.04)	
Weight	6gr	
RF Specifications		
Protocol	EPC Class 1 Gen2	
Frequency Range (MHz)	860-930MHz (global)	
Read Range (Fixed reader) 1	Up to 3.0m (9.8ft)	
Read Range (Handheld reader) 1	Up to 1.5 (4.9ft)	
Material Compatibility	Metal and non-metallic substrates	
IC Type (chip)	Alien H3	
Memory 2	EPC - 96bits, User - 512bits, TID - 64bits	
Environmental Specification		
Operating Temperature	-40 to +85 °C	
Long term Max Temperature 1 exposure - (days,weeks,years)	+85 °C	
Short term Max Temperature 1 exposure - (minutes,hours)	+105 °C	
IP Rating	IP68	
Shock and Vibration	MIL STD 810-F	
Impact	25kg 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.
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Typical Applications		
Suitable for metal environment	Offshore	
Maintenance & Service	Oil & Gas	
Industrie & Logistics	Chemical Industry	

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