



DATA SHEET



ATEX MAX SQ-D Tag



Zone 0

Product Description		ATEX MAX SQ-D Tag
Physical Specifications		
Encasement	Polypropylene	
Size (mm) (tolerance)	52.5 x 45.0 x 14.0 (+/-1.0) / 2.1 x 1.8 x 0.55 (+/-0.04)	
Weight	24,5gr	
RF Specifications		
Protocol	EPC Class 1 Gen2	
Frequency Range (MHz)	860-930MHz (Dual Band)	
Read Range (Fixed reader) 1	Up to 10.0 (global)	
Read Range (Handheld reader) 1	Up to 5.0 (global)	
Material Compatibility	Optimized for metal	
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 Submersion proof to 3000m depth	
Shock and Vibration	MIL STD 810-F	
Impact	>25kg from 1m	
Attachment	Manual (standard)	
Certifications	RoHS approved CE approved ATEX/IECEX certified (option) US&Canada (C1D1/D2) certified (option)	
ATEX		II 1G Ex ia IIA Ga I M1 Ex ia Ma Class I, Div 1 Groups C, 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	

Contact:

sales@agillox.com
www.agillox.com