

# DATA SHEET



## ATEX Flex R Tag



Zone 0

Product Description		ATEX Flex R Tag
<b>Physical Specifications</b>		
Encasement	ABS or Polycarbonate	
Size (mm) (tolerance)	100 x 21 x 7.2 (+/- 1.0 mm) / 3.9 x 0.8 x 0.28 (+/- 0.04 in)	
Weight	11,6gr	
<b>RF Specifications</b>		
Protocol	EPC Class 1 Gen2	
Frequency Range (MHz)	902–928 (US), 866–868 (EU), 952–954 (JPN)	
Read Range (Fixed reader) 1	Up to 5.0 (US), Up to 5.0 (EU), Up to 4.0 (JPN)	
Read Range (Handheld reader) 1	Up to 2.5 (US), Up to 2.5 (EU), Up to 2.0 (JPN)	
Material Compatibility	Any	
IC Type (chip)	Alien H3	
Memory 2	EPC - 96bits, User - 512bits, TID - 64bits	
<b>Environmental Specification</b>		
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	10kg 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 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.
<b>Article no:</b>		
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<b>Typical Applications</b>		
Suitable for metal environment	Offshore	
Maintenance & Service	Oil & Gas	
Industrie & Logistics	Chemical Industry	

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