



# RFID Transponder

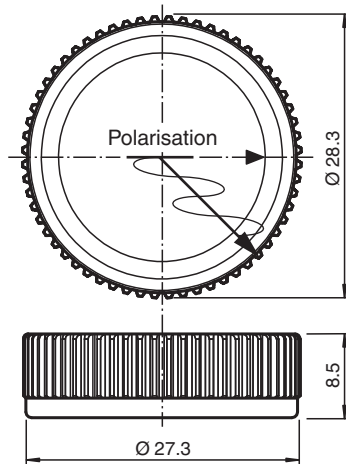
## IUC76-28ST-M-FR1

- Operating frequency 865 ... 868 MHz
- Complies with EPC Gen2 (ISO/IEC 18000-63)
- Sturdy housing, suitable for rough industrial use
- Optimized for mounting in metal

RFID Transponder



### Dimensions



### Technical Data

General specifications	
Operating frequency	865 ... 868 MHz
Polarization	linear
Memory	
Chip Type	Higgs-3 (Alien)
Memory Bank 00 (Reserved)	64 Bit
Memory Bank 01 (EPC/UUI)	96 ... 480 Bit
Memory Bank 10 (TID)	96 Bit
Memory Bank 11 (User memory)	512 Bit
Read cycles	unlimited
Write cycles	> 100000
Data retention period	50 years @ 77 °C (170.6 °F)
Directive conformity	
Radio equipment	
Directive 2014/53/EU	EN 302208
RoHS	
Directive 2011/65/EU (RoHS)	IEC/EN 63000

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**Technical Data**

<b>Standard conformity</b>		
Degree of protection		EN 60529
RFID		ISO/IEC 18000-63
<b>Ambient conditions</b>		
Ambient temperature		-40 ... 85 °C (-40 ... 185 °F)
Storage temperature		-50 ... 250 °C (-58 ... 482 °F)
<b>Mechanical specifications</b>		
Degree of protection		IP69K
<b>Material</b>		
Housing		Stainless steel
<b>Installation</b>		
In metal		yes
Mass		25.4 g
<b>Dimensions</b>		
Height		8.5 mm
Height tolerance		± 0.1 mm
Diameter		28.3 mm
Diameter tolerance		± 0.1 mm
Construction type		Cylindrical
Note		observe mounting instructions