



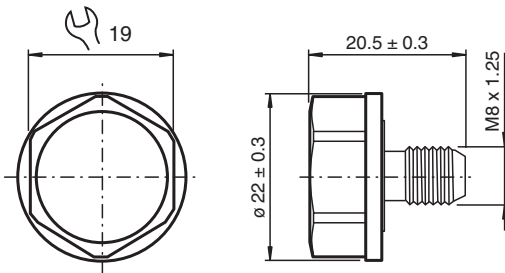
## RFID Transponder IQC33-ST22

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 2000 bytes memory available
- Unlimited writeable
- Degree of protection IP68
- Screw-shaped read/write tag
- Easy mounting via M8 thread

Data carrier



### Dimensions



### Technical Data

#### General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s

#### Memory

Chip Type	FRAM MB89R118 (Fujitsu)
FRAM	16 kBit
UID	64 Bit
Memory organization	8 bytes/block
Read cycles	unlimited
Write cycles	unlimited
Data retention period	10 years

#### Directive conformity

Radio equipment	
Directive 2014/53/EU	EN 300330
RoHS	
Directive 2011/65/EU (RoHS)	IEC/EN 63000

#### Standard conformity

Degree of protection	EN 60529
RFID	ISO/IEC 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3

#### Ambient conditions

Ambient temperature	-20 ... 85 °C (-4 ... 185 °F)
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## Technical Data

Storage temperature	-20 ... 85 °C (-4 ... 185 °F) -25 °C (-13 °F) for 72 hours 125 °C (257 °F) for 72 hours
<b>Mechanical specifications</b>	
Degree of protection	IP68
Material	
Housing	Steel
Covering	PA 6
Installation	
On metal	yes
In air	yes
Mass	16 g
Dimensions	
Height	20.5 mm
Diameter	22 mm
Construction type	Cylindrical
Note	Lubricate thread before mounting the screw. Lightly oil read/write tag screws and store in dry conditions at room temperature.

## Mounting

High temperatures will cause the housing to expand.  
If the housing is assembled under mechanical stress, the resulting pressure may damage the tag.  
Install the tag loosely to allow for expansion due to high temperatures.