



RFID Transponder

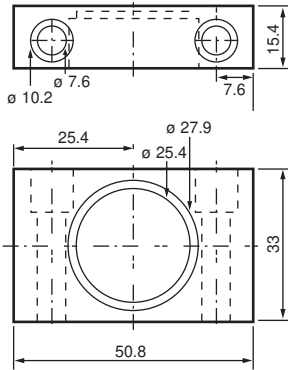
IQC22-22CT-T9

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 2 kBit memory available
- Readable and writable from both sides
- Degree of protection IP67 / IP68 / IP69K
- With extended temperature range up to 220 °C (428 °F)
- Potted housing

Data carrier



Dimensions



Technical Data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s

Memory

Chip Type	Tag-it HF-I Plus (Texas Instruments)
EEPROM	2 kBit
UID	64 Bit
Memory organization	4 bytes/block
Read cycles	unlimited
Write cycles	> 100000
Data retention period	10 years at 25 °C (77 °F)

Directive conformity

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

Standard conformity

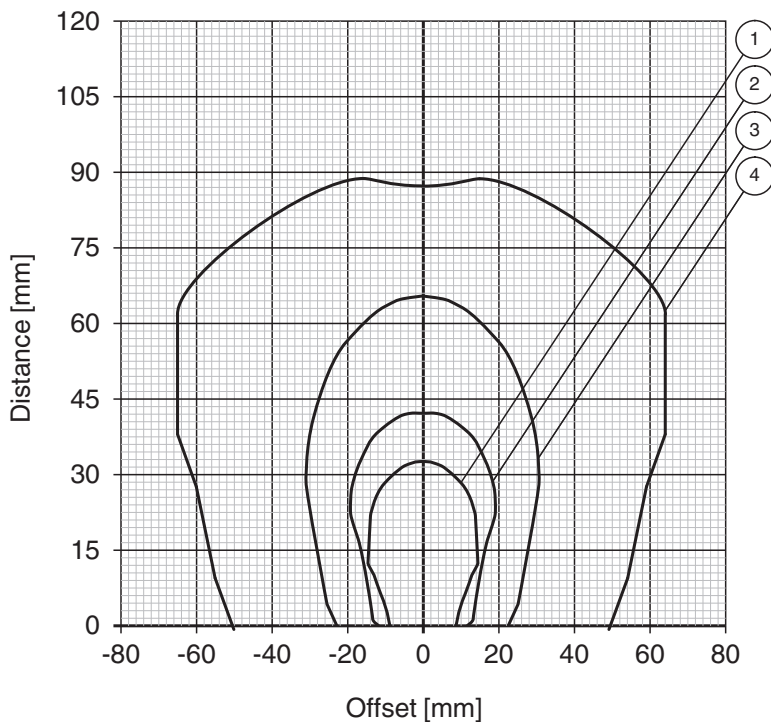
Degree of protection	EN 60529
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Technical Data

RFID	ISO/IEC 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Ambient conditions	
Ambient temperature	-25 ... 90 °C (-13 ... 194 °F)
Storage temperature	-25 ... 120 °C (-13 ... 248 °F) 160 °C (433 K) for 50 hours 220 °C (493 K) for 30 seconds
Climatic conditions	Isostatic water pressure: 45 bar for 10 hours
Shock and impact resistance	Oscillation (sinus): 10 g, 10 - 2000 Hz in accordance with EN 60068-2-6 Shock (semi-sinus): 100 g, 6 ms in accordance with EN 60068-2-27
Mechanical specifications	
Housing length	50.8 mm
Housing width	33 mm
Housing height	15.4 mm
Degree of protection	IP68 / IP69K
Material	
Housing	Nylotron
Encapsulation compound	Epoxy
Installation	
On metal	yes
In air	yes
Mass	31 g
Construction type	Rectangular type

Reading range in air IQC22-22-T9



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- ① IQH1-18GM-V1 ② IQH1-F61-V1 ③ IQH1-FP-V1
④ IQH1-F15-V1