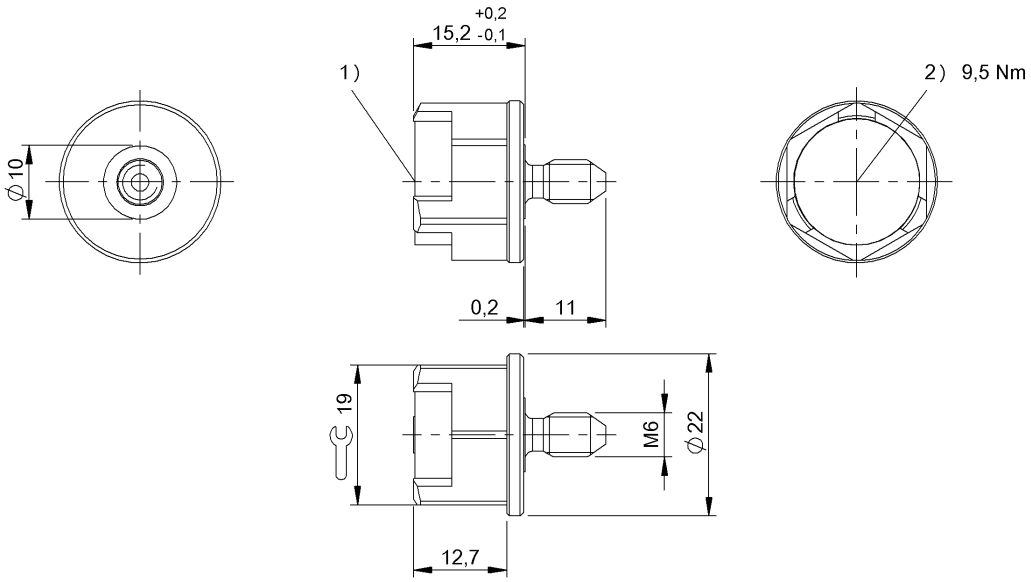
UHF (860...960 MHz)

BIS U-144-A0/C1M-M6
Order Code: BIS01E0



1) Sensing surface, 2) Tightening torque

Basic features

Antenna type	Dipole
Approval/Conformity	CE WEEE EAC
EN 55022	Size 1, Cl. B
Principle of operation	Data carrier
Standards	EPCglobal™ Class 1, Gen 2 ISO 18000-6C

Electrical data

Data retention time/years	≥ 50
EN 61000-4-2/3/4/5/6	Severity level 4A/3A/–/–/–
Programming cycles	up to 25 °C: 100,000
Read cycles	Unlimited
Working frequency	902…928 MHz

Environmental conditions

Ambient temperature	-25...85 °C
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
IP rating	IP68
IP rating per DIN 40050	IP68 IPx9K
Storage temperature	-25...95 °C

Functional Characteristics

EPC memory, read/write	96 Bit
Memory type	EEPROM
TID memory, read-only	96 Bit
User data, read/write	512 Bit

Material

Housing material	Steel, Data carrier: PA 12-GF30 gray, coated
Housing material, surface protection	coated

Mechanical data

Application weight	16.00 g
Dimension	Ø 22 x 26.2 mm
Installation	on metal

Remarks

Values are under rated conditions unless otherwise specified.
Only when used together with the appropriate read/write head.
For installation requirements see corresponding read/write head.
We recommend lightly oiling the data carrier screws and storing in a dry location at room temperature.
Lubricate screw before installing.
Recommended for use in countries with an approved frequency range within the 902 - 928 MHz band