

RFID Reader Ultra High Frequency

UHF Reader TCU075



Technical Data

Frequency Range	865 – 868 MHz (EU)
Standard Compliance	RAIN RFID EPCglobal UHF Class1 Gen2 / ISO 18000-63 (former 18000-6C) Supports Dense Reader Mode (DRM)
Antenna	integrated, Polarization: circular
RF Power	+10 to +27 dBm configurable
Read-/Write-Distance	Up to 3m, depends on Transponder and Environment Write distance is usually up to 50% of the reading distance
Power Supply	12V to 28V DC ($\pm 10\%$), max. 1A
Interfaces	RS485, RS232; more on request
Connection	M12 circular connector
Housing Material / Color	Anodized aluminum, PA12 dark grey
Length x Width x Height	118mm x 118mm x 57mm
Weight	approx. 700 gr
Mounting	VESA MIS-D 75mm x 75mm with M5 screw thread, Mast mounting with M6 screw thread
Miscellaneous	Anticollision (Identification of multiple transponders in reading range) Output of RSSI and phase angle 3 LED: Power, HF on, Tag read (can be disabled) Buzzer to signal correct readings (e.g., during installation, can be disabled) Galvanically isolated I/Os Integrated memory

Environmental Conditions

IP Code	IP65/IP67 according to DIN EN 60529
Storage Temperature	-20°C to +85°C
Operating Temperature	-20°C to +60°C continuous reading mode -20°C to +70°C mode with reading pauses

Order Information

Item Number	TCU.075.930 UHF Reader RS232 TCU.075.950 UHF Reader RS485
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