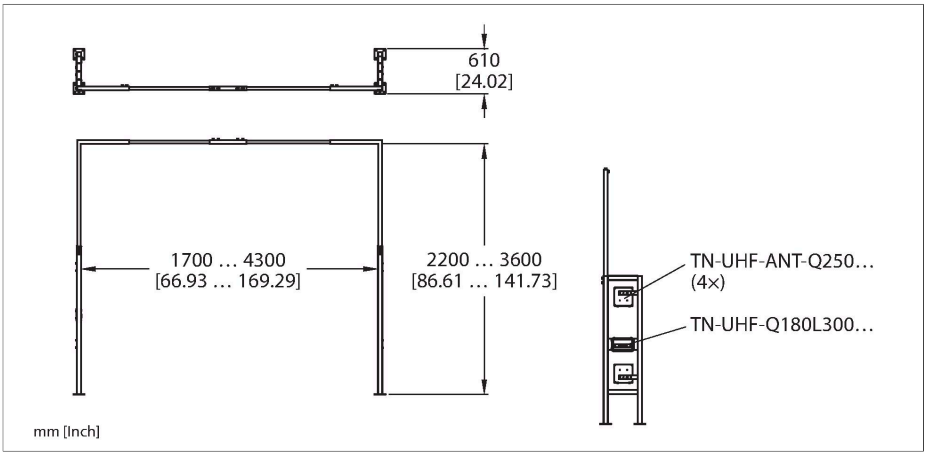
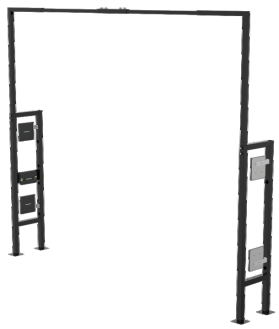
UHF-SYS-GATE-PASS-FCC
UHF RFID Gate Solution





Technical data

Type	UHF-SYS-GATE-PASS-FCC
ID	200015826
Electrical data	
Operating voltage U_B	12…30 VDC
DC rated operating current I_e	≤ 1200 mA
PoE standard	IEEE 802.3at (PoE+)
Data transfer	Alternating electromagnetic field
Technology	UHF RFID
Region (UHF)	USA, Canada, Mexico (902…928 MHz)
Radio communication and protocol standards	ISO 18000-63 EPCglobal Gen 2
Mechanical data	
Ambient temperature	-30…+50 °C
Dimensions	610 x 1700 x 2200 mm
	Width: 1700…4300 mm, height: 2200…3600 mm
Frame material	Carbon steel, Powder coating - Black
Protection class	IP67
Included in delivery	RFID gate consisting of individual steel elements 1 × TN-UHF-Q180L300…LNX UHF reader 4 × TN-UHF-ANT-Q250… UHF antennas 100 - 240 V power supply 2 × steel mounting plates for reader and power supply 4 × brackets for antennas Mounting hardware for antenna, reader and power supply Extension cables

Features

- UHF RFID GATE for the (bulk) detection of objects, e.g. during loading
- TVSnode software for commissioning and communication via integrated REST API interface
- Variable frame size
- Width: 1700…4300 mm
- Height: 2200…3600 mm

Functional principle

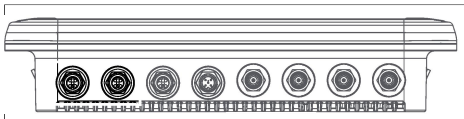
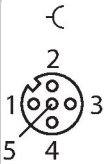
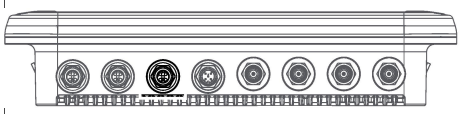
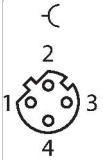
The UHF readers form a transmission zone, the size of which may vary depending on the combination of reader and tag used.
The achievable distances may be different due to component tolerances, mounting location in the application, ambient conditions and the effect of materials (particularly metal).
Testing of the application under real operating conditions is therefore essential, especially with on-the-fly reading and writing!

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Technical data

	– 1x RSC 4.4T-1.5-RKM 40 reader power supply cable –2x TN-UHF-CBL-HF240-RPTNC-2-SMA and 2x TN-UHF-CBL-HF240-RPTNC-10-SMA antenna coaxial cables Installation instructions
System description	
Fieldbus Protocol	TCP/IP REST API
Programming interface	Node software
System data	
Web server	Default: 192.168.1.254:8080
General Information	
Packaging unit	1
Not included in delivery	Ethernet Cable: RSSD RJ45S 441-*M Hardware for required floor mounting

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	Accessories Connection cable, 2-channel (example): RK 4.4T-2-RS 4.4T Ident no. U2445 Splitter, 1-channel (example): YB2-FSM 4.5-2FKM 4.5 Ident no. U0875-78	M12 × 1 I/O slot  1 = V_{aux} 2 = DXP1 / DXP3 3 = GND 4 = DXP0 / DXP2 5 = FE DXP0...DXP3
	Accessories Ethernet cable (example): RSSD RSSD 441-2M Ident no. U-02482	M12 × 1 Ethernet  1 = TX + 2 = RX + 3 = TX − 4 = RX − flange = FE ETH/PoE
	Accessories Mounting Bracket (example): TN-UHF-ACCSY-VESA100-MOUNT Ident no. 100029071	

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