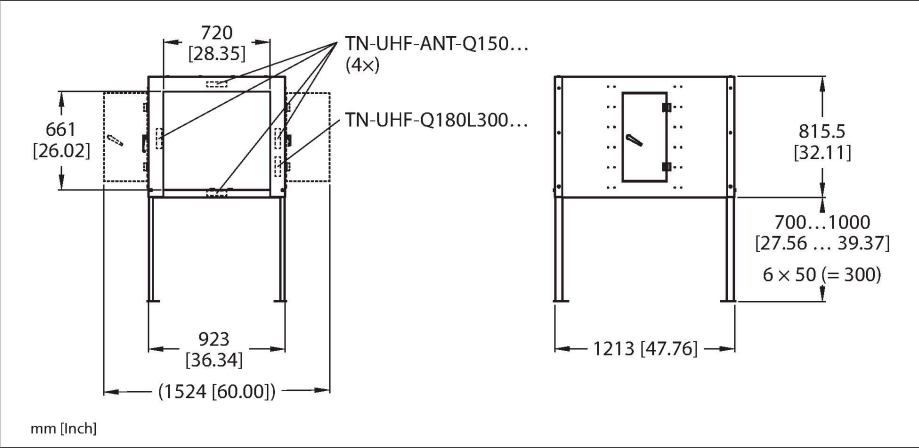


UHF-SYS-TUNNEL-ETSI

UHF RFID Tunnel Solution



Technical data

Type	UHF-SYS-TUNNEL-ETSI
ID	100051344
Approvals	CE
Electrical data	
Operating voltage U_b	12...30 VDC
DC rated operating current I_o	≤ 1200 mA
PoE standard	IEEE 802.3at (PoE+)
Data transfer	Alternating electromagnetic field
Technology	UHF RFID
Region (UHF)	Europe, India, Turkey, South Africa (865...868 MHz)
Radio communication and protocol standards	ISO 18000-63 EPCglobal Gen 2
Channel spacing	200 kHz
Mechanical data	
Ambient temperature	-30...+50 °C
Dimensions	1213 x 923 x 1515 mm
Housing material	Metal, Yellow
Protection class	IP67
System description	
Network protocol	TCP/IP REST API
Programming interface	Ethernet
System data	
Web server	Default: 192.168.1.254:8080
General Information	
Packaging unit	1

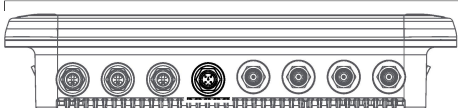


Features

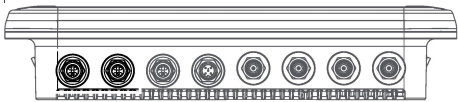
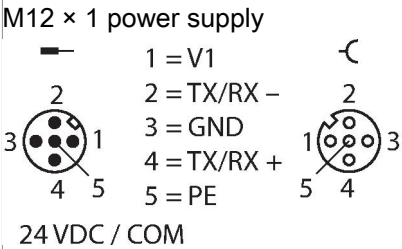
- UHF RFID TUNNEL for (bulk) detection of objects on the conveyor belt
- Pre-installed TVSnode software for commissioning and communication via integrated REST API interface
- Max. conveyor speed < 1 m/s
- Recommended distance between objects: > 1.3 m
- Size of the tunnel opening: 720 x 660 mm
- Device only suitable for operation in the European Union (EU), Great Britain (GBR), India (IND), Türkiye (TUR) and South Africa (ZAF) at 865...868 MHz

Functional principle

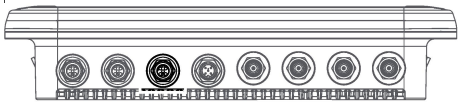
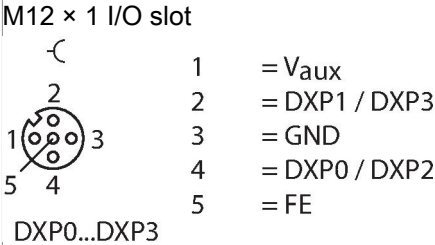
The UHF readers form a transmission zone, the size of which may vary depending on the combination of reader and tag used. The achievable distances may be different due to component tolerances, mounting location in the application, ambient conditions and the effect of materials (particularly metal). Testing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



Note
Supply cable:
UX18415 RKC 4.4T-0.5-RSM 40/S3520
UX18416 RKC 4.4T-2-RSM 40/S3520
UX14184 RKC 4.4T-3-RSM 40/S3520
UX14185 RKC 4.4T-5-RSM 40/S3520



Note
Actuator and sensor cable/PUR
extension cable (example):
RKC4.4T-2-RSC4.4T/TXL
ID 6625608
Y-splitter for DXPs
VBS2-FSM4.4-2FKM4
ID 6930560



Note
Ethernet cable (example):
RSSD-RJ45S-4416-5M
ID 6441633

