

Two-TETRA-Station Combiner

DESCRIPTION

- The PRO-ISO-PHY-TETRA-S2-REV combiner provides the possibility of connecting up to two TETRA radios into one common antenna.
- The PRO-ISO-PHY-TETRA-S2-REV models are available in the frequency range 380 - 470 MHz (on request).
- ETSI compliant connection of two digital radios.
- The PRO-ISO-PHY-TETRA-S2-REV is the successor to the PRO-ISO-PHY-TETRA-2.
- The PRO-ISO-PHY-TETRA-S2-REV has improved isolation between the ports more than 62 dB - and lower insertion loss.
- The use of high-quality system components such as highly selective helical duplex filters and high-performance isolators provides high isolation and secure communication.
- The smallest and most compact design on the market.
- Suitable for both stationary and mobile use.
- Also available in tray for 19" rack mounting.
- Vibration and shock tested in accordance with EN-60068**.

**Tested in accordance with:

Random test: EN 60068-2-64, test specification: EN 300 019-2-5 V3.0.0.

Shock test: EN 60068-2-27, test specification: EN 300 019-2-5 V3.0.0.

Bump test: EN 60068-2-29, test specification: EN 300 019-2-5 V3.0.0.



ORDERING

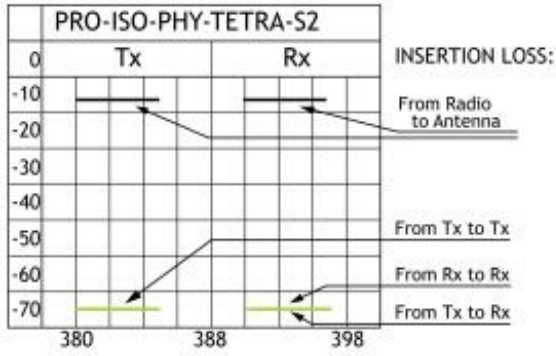
Type	Product No.	Frequency
19" Front plate with connectors in front	210002247	
19" Front plate with connectors in back	210002248	
PRO-ISO-PHY-385/390-S2-REV-N(f)	210002253	380 - 385 MHz / 390 - 395 MHz
PRO-ISO-PHY-415/420-S2-REV-N(f)	210002540	410 - 415 MHz / 420 - 425 MHz

SPECIFICATIONS

Electrical	
Model	PRO-ISO-PHY-TETRA-S2-REV
Frequency	380 - 425 MHz
Max. Input Power	25 W per port
Insertion Loss Tx-Ant.	< 6.0 dB
Insertion Loss Rx-Ant.	< 6.0 dB
Isolation TRx - TRx	62 dB
VSWR	< 1.5:1
Group Delay Variation	TX-ANT. < 120 nsec. RX-ANT. < 150 nsec.
No. of Channels	2 - 2
Mechanical	
Connection(s)	N(f)
Colour	Black
Dimensions	150 (excl. conn.) x 150 x 35 mm / 5.91 (excl. conn.) x 5.91 x 1.38"
Weight	1.82 kg / 4.01 lb.
Environmental	
Ingress Protection	IP62

ADDITIONAL DATA

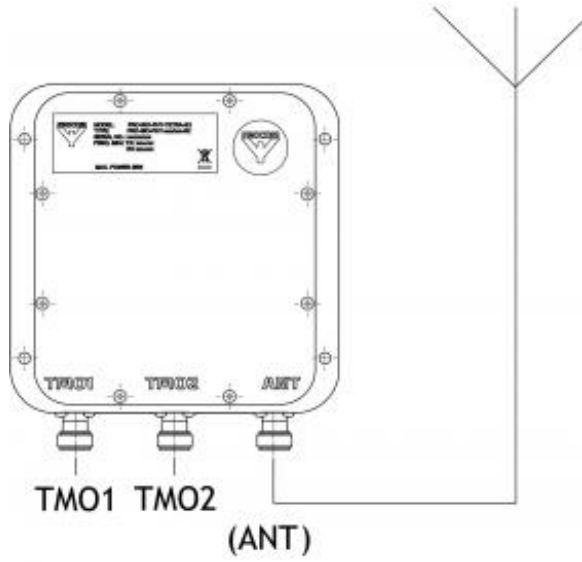
TYPICAL ATTENUATION VALUES



19" Front plate with connectors in front (210002247)



CONNECTION DIAGRAM



19" Front plate with connectors in back (210002248)



MOUNTING DETAILS

