

Three-TETRA-Station Combiner

DESCRIPTION

- The PRO-ISO-PHY-TETRA-S3-REV combiner provides the possibility of connecting up to three TETRA radios into one common antenna.
- The PRO-ISO-PHY-TETRA-S3-REV models are available in the frequency range 380 - 470 MHz (on request).
- ETSI compliant connection of three digital radios.
- The PRO-ISO-PHY-TETRA-S3-REV is the successor to the PRO-ISO-PHY-TETRA-3-REV.
- The PRO-ISO-PHY-TETRA-S3-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.



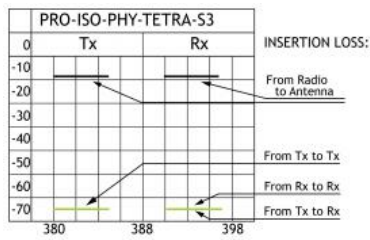
ORDERING

Type	Product No.	Frequency
PRO-ISO-PHY-385/390-S3-REV-N(f)	210002310	380 - 385 MHz / 390 - 395 MHz
PRO-ISO-PHY-420/425-S3-REV-N(f)	210002561	415 - 420 MHz / 425 - 430 MHz
Accessories		
19" Front plate with connectors in back	210002205	
19" Front plate with connectors in front	210002302	

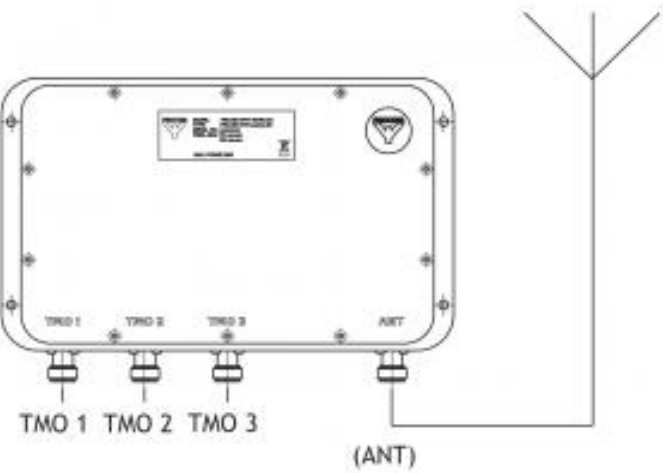
SPECIFICATIONS

Electrical	
Model	PRO-ISO-PHY-TETRA-S3-REV
Frequency	Rx: 380 – 385 MHz / Tx: 390 – 395 MHz or Rx: 410 - 415 MHz / Tx: 420 - 425 MHz
Max. Input Power	25 W per port
Insertion Loss Tx-Ant.	< 9.0 dB
Insertion Loss Rx-Ant.	< 9.0 dB
Isolation TRx - TRx	Tx - Tx: > 62 dB Rx - Rx: > 62 dB Tx - Rx / Rx - Tx: > 62 dB
VSWR	< 1.5:1
Group Delay Variation	Tx-ANT. < 120 nsec. Rx-ANT. < 150 nsec.
No. of Channels	3 - 3
Mechanical	
Connection(s)	N(f)
Colour	Black
Dimensions	Approx. 150 (excl. conn.) x 250 x 35 mm / 5.91 (excl. conn.) x 9.84 x 1.38 in.
Weight	Approx. 2.4 kg / 5.29 lb.
Environmental	
Ingress Protection	IP62

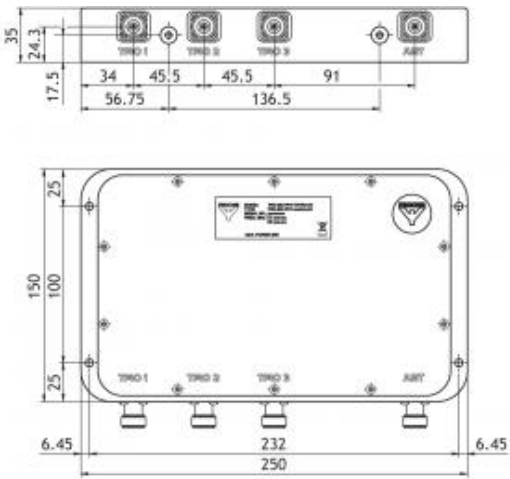
TYPICAL ATTENUATION VALUES



CONNECTION DIAGRAM



MOUNTING DETAILS



19" FRONT PLATE WITH CONNECTORS IN FRONT (210002302)



19" FRONT PLATE WITH CONNECTORS IN BACK (210002205)

