Eight-TETRA-Station Combiner



DESCRIPTION

- The PRO-ISO-PHY-TETRA-S8 combiner provides the possibillity of connecting up to eight TETRA radios into one common antenna.
- ETSI compliant connection of eight digital radios.
- The PRO-ISO-PHY-TETRA-S8 has high isolation between the ports - more than 62 dB - and low 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.
- Delivered with a 19" front plate for rack mounting (Unassembled).
- Vibration and shock tested in accordance with EN-60068 **.
- Jumper cables included.

** 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

Model	Product No.	Frequency
PRO-ISO-PHY-385/390-S8-TR-B-N(f)	210002359	380 - 385 MHz / 390 - 395 MHz
PRO-ISO-PHY-385/390-S8-TR-F-N(f)	210002360	380 - 385 MHz / 390 - 395 MHz
PRO-ISO-PHY-415/420-S8-TR-B-N(f)	210002361	410 - 415 MHz / 420 - 425 MHz
PRO-ISO-PHY-415/420-S8-TR-F-N(f)	210002362	410 - 415 MHz / 420 - 425 MHz

SPECIFICATIONS

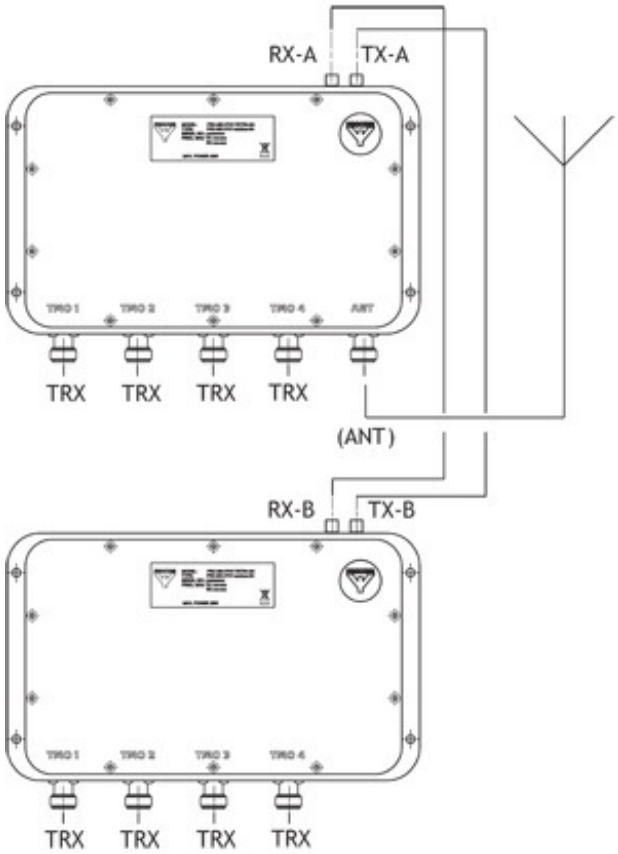
Electrical	
Model	PRO-ISO-PHY-TETRA-S8
Frequency	TX: 380 - 385 MHz RX: 390 - 395 MHz or TX: 410 - 415 MHz RX: 420 - 425 MHz
Type	TETRA combiner
Max. Input Power	25 W / station
Insertion Loss Tx-Ant.	< 13 dB
Insertion Loss Rx-Ant.	< 13 dB
Isolation TRx - TRx	TX - TX: > 62 dB RX - RX: > 62 dB TX - RX / RX - TX: > 62 dB
VSWR	< 1.5:1
Group Delay Variation	TX-ANT. < 120 nsec. RX-ANT. < 150 nsec.
No. of Channels	8 - 8

Mechanical	
Connection(s)	N(f)
Colour	Combiner: Black Frontplate: Aluminium
Dimensions	19" x 2 HU x 154 mm (excl. conn.) (483 x 88 x 154 mm) / (7.02 x 3.46 x 6.06")
Weight	5.3 kg / 11.68 lb

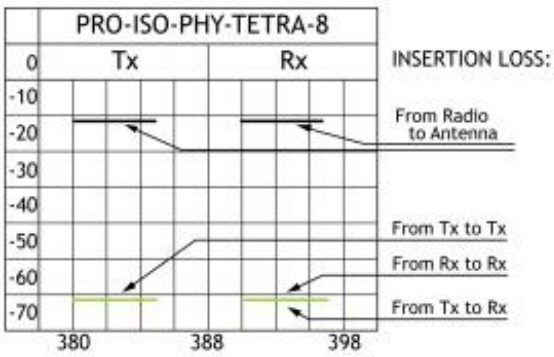
Environmental	
Ingress Protection	IP62

ADDITIONAL DATA

CONNECTION DIAGRAM



TYPICAL ATTENUATION VALUES



OPTION TR-F



OPTION TR-B



PROCOM A/S reserves the right to
amend specifications without prior notice