Four-TETRA-Station Combiner



DESCRIPTION

- The PRO-ISO-PHY-TETRA-S4 combiner provides the possibillity of connecting up to four TETRA radios into one common antenna.
- The PRO-ISO-PHY-TETRA-S4 models are available in the frequency range 380 - 470 MHz (on request).
- ETSI compliant connection of four digital radios.
- The PRO-ISO-PHY-TETRA-S4 is the successor to the PRO-ISO-PHY-TETRA-4.
- The PRO-ISO-PHY-TETRA-S4 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:
Vibration 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-S4-N(f)	210002202	380 - 385 MHz / 390 - 395 MHz
PRO-ISO-PHY-415/420-S4-N(f)	210002203	410 - 415 MHz / 420 - 425 MHz
PRO-ISO-PHY-420/425-S4-N(f)	210002371	415 - 420 MHz / 425 - 430 MHz
Accessories		
19" Front plate with connectors in front *	210002204	
19" Front plate with connectors in back *	210002205	

NOTE *

* The frontplates are delivered in a seperate packaging with extra screws for mounting on the combiner.

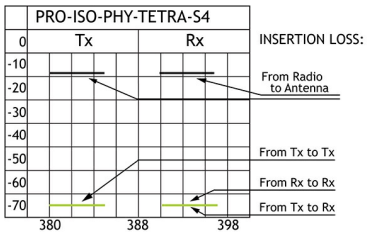
SPECIFICATIONS

Electrical	
Model	PRO-ISO-PHY-TETRA-S4
Frequency	Tx: 380 - 385 MHz Rx: 390 - 395 MHz or Tx: 410 - 415 MHz Rx: 420 - 425 MHz or Tx: 415 - 420 MHz Rx: 425 - 430 MHz
Type	TETRA combiner
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	4

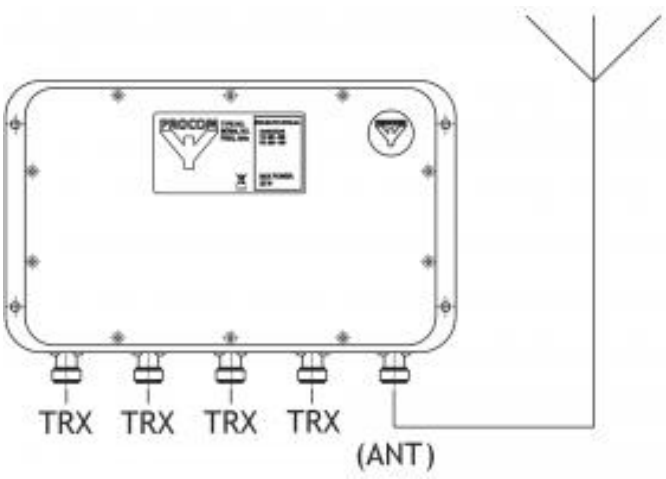
Mechanical	
Connection(s)	N(f)
Colour	Black
Dimensions	150 (excl. conn.) x 250 x 35 mm / 5.91 (excl. conn.) x 9.84 x 1.38 in.
Weight	Approx. 2.4 kg / 5.29 lb

Environmental	
Ingress Protection	IP62

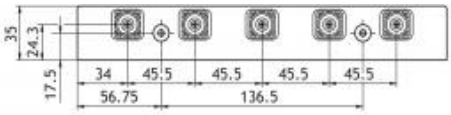
TYPICAL ATTENUATION VALUES

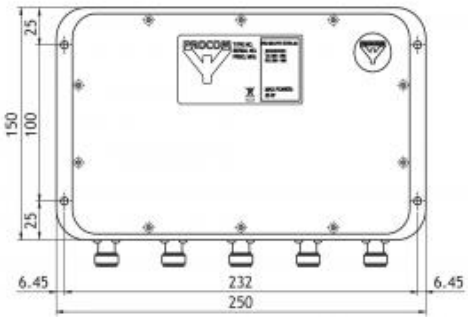


CONNECTION DIAGRAM



MOUNTING DETAILS





FLEXIBLE MOUNTING OPTIONS

19" Front plate with connectors in front (210002204)



19" Front plate with connectors in back (210002205)

