Two TMO TETRA Mobile-Station

DESCRIPTION

- The PRO-ISO-PHY-380-TX/RX-S2-N combiner provides the possibillity of connecting two TMO TETRA radios with a high isolation of more than 60 dB between the radios. *
- ETSI compliant connection of two digital radios.
- Includes LP filters to reduce second harmonic frequency from isolators.
- The PRO-ISO-PHY-380-TX/RX-S2-N combiner has external outputs for TX and RX.

* The TX/RX isolation will be dependent on the equipment connected to the unit.

- The PRO-ISO-PHY-380-TX/RX-S2-N has improved isolation between the ports - more than 60 dB - and lower insertion loss.
- The use of high-quality system components such as a 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

Model	Product No.
PRO-ISO-PHY-380-TX/RX-S2-N(f)	210002494

SPECIFICATIONS

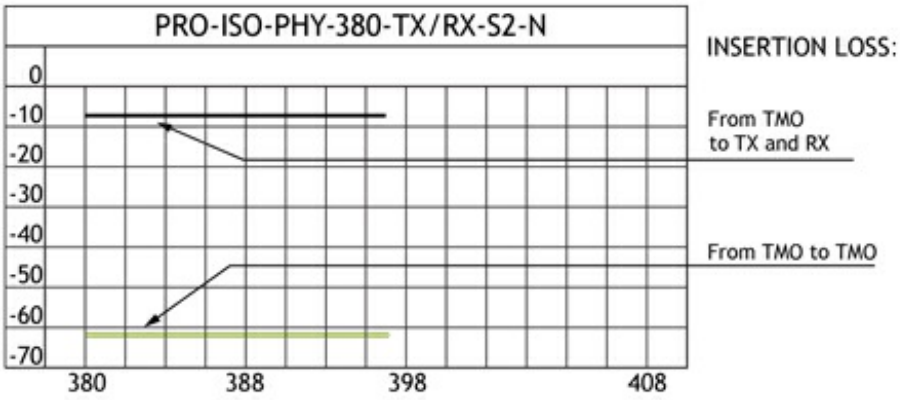
Electrical	
Model	PRO-ISO-PHY-380-TX/RX-S2-N
Frequency	380 - 395 MHz
Type	TETRA combiner
Max. Input Power	25 W / station
Insertion Loss Tmo-Tx	< 5 dB
Insertion Loss Tmo-Rx	< 5 dB
Impedance	50 Ω
Isolation TMO1 - TMO2	> 62 dB (380 - 395 MHz)
VSWR	< 1.5:1
Group Delay Variation	TX-ANT. < 120 nsec. RX-ANT. < 150 nsec.
No. of Channels	2 - 2

Mechanical	
Connection(s)	N(f)
Colour	Black (RAL 9005)
Dimensions	150 (excl. conn.) x 150 x 35 mm / 5.91 (excl. conn.) x 5.91 x 1.38"
Weight	1.94 kg / 4.28 lb

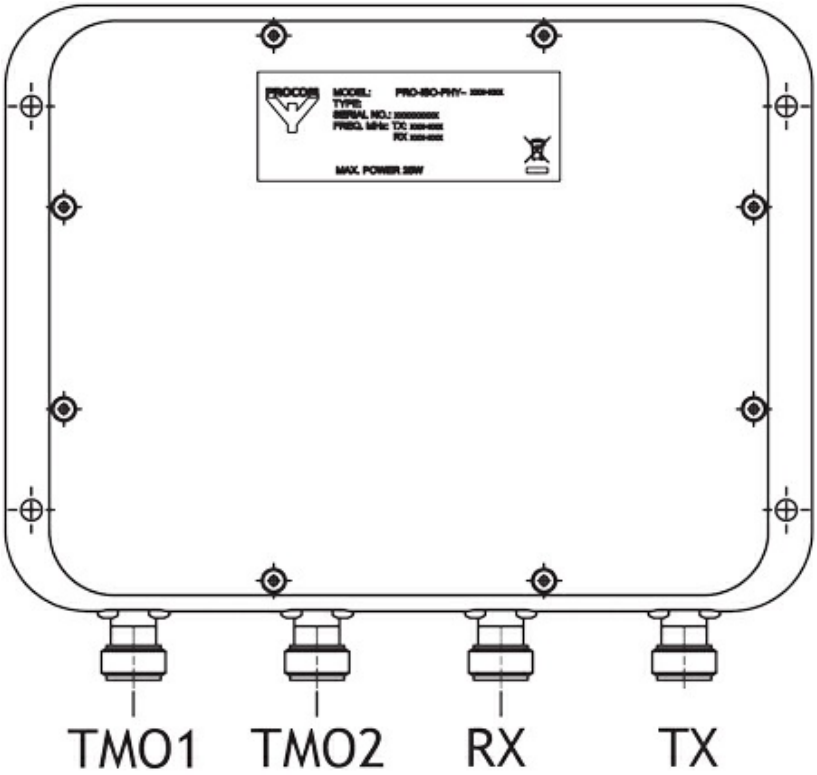
Environmental	
Ingress Protection	IP62

ADDITIONAL DATA

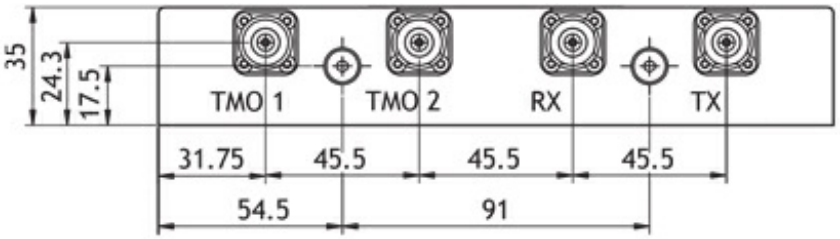
TYPICAL ATTENUATION VALUES

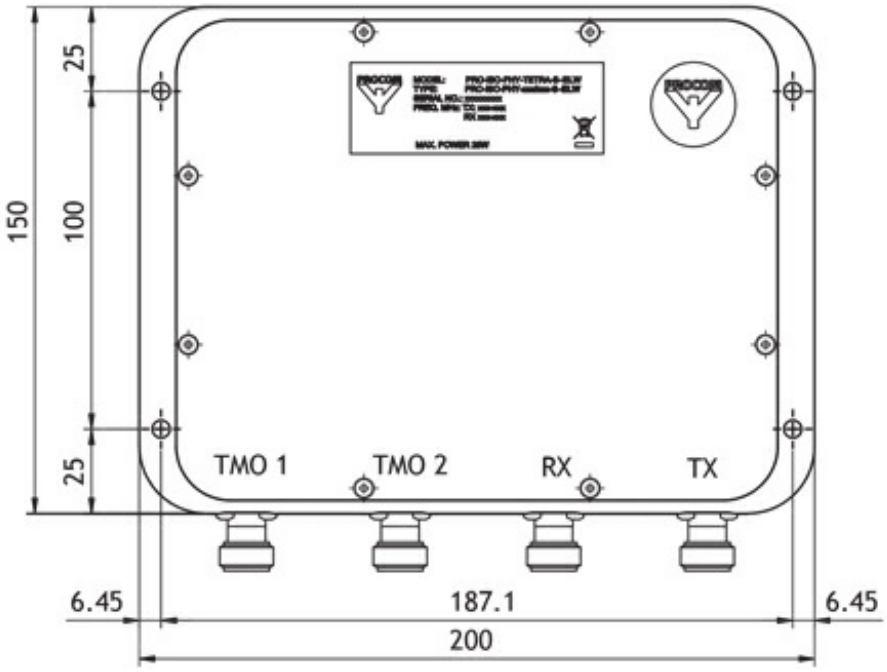


CONNECTION DIAGRAM



MOUNTING DETAILS





INSTALLATION

19" Front plate with connectors in front.

19" Front plate with connectors in back.