



SHDSL Modem

MSH-4

Efficient network switch

**Option of LAN segment execution
using SHDSL connections**

Service-free device

Operation via WWW

Rugged compact case

SHDSL MSH-4 modem operating as a network switch with SHDSL interfaces enables construction of extended field IT networks between sites equipped with devices supporting Ethernet type interface 10/100Base-T/TX and/or 100Base-FX. Using the modem, connections using light one-pair cables of the PKL 1x2 type can be set up.

The SHDSL MSH-4 modem is designed for use in mobile (e.g. field equipment stations) and stationary equipment sets used for construction of IP networks. The device enables construction of a framework-access teleinformatic network of IP type. The modem enables 6 interfaces of different types, one 10/100Base-T/TX electric interface, one 100Base-FX optical interface and four conforming to G.991.2 standard. MSH-4 with other network devices available on the market, regardless of the manufacturer.

During operation within a teleinformatic network and a WAN network, the device may cooperate with devices supporting aforementioned standards, in particular with Transbit Sp. z o.o. devices such as:

- RP-101 tactical router;
- ŁK-24VC switch-multiplexer;
- ZZL-12E1 line terminals set;
- ZZO-12R1 optical terminals set.

MSH-4 is a device designed for operation whilst moving and for use in three positions. In case of use in tactical vehicles (e.g. Rosomak), installation using special absorbing elements supplied by the manufacturer (optional) is possible.



TECHNICAL PARAMETERS

BASIC FUNCTIONALITIES

Built-in network switch with SHDSL interfaces
Electrical and optical Interfaces in accordance with Ethernet standard
Configuration via WWW or via SZAL management system

INTERFACES

Electric Ethernet interface	10/100Base-T/TX RJF-45 connector
Speed rate	10/100 Mbps
Optical Ethernet interface	100Base-FX MFM (or ST) connector
SHDSL x 4 interfaces	ITU-T G.991.2 8D0C17W26SN Souriau connector
Operation mode	1-pair
Bandwidth	Up to 500 kbps
Range	Min. 3,5 km (PE 0,4 mm without noise)
Overcurrent protection	ITU 20/21 Ipp=200 A (5/310 μs)

POWER SUPPLY

Power supply	+27 V (from 18 V to 36 V)
Power consumption	<15 W

OTHER TECHNICAL PARAMETERS

Dimensions (HxWxD)	68x330x265 mm
Weight	<5 kg
Mechanical and climatic classification	Group N.7, N.9 and N.11-O-II(A and B), acc. NO-06-A101+108 (MIL-STD-810G compliant) (multi-use and continuous use equipment)
Electromagnetic compatibility	NO-06-A200 (MIL-STD-461F compliant) (KRE-02, KCE-02)
Operating temperature	From -30°C to +50°C
Storage temperature	From -40°C to +65°C
Humidity resistance	95-98% at +40°C



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