



Ethernet switch

KO-2s8-06 or KO-2s8-07

**10 electrical Ethernet ports
10/100Base-T/TX**

Optical Ethernet port 100Base-FX

Optical Ethernet port 1000Base-SX

Support for multicasts traffic

Support for VLAN acc. to 802.1Q

The Ethernet switch KO-2s8-06 or KO-2s8-07 should be used in sets of mobile and stationary equipment enabling to create and expand local Ethernet networks. The device cooperates with devices equipped with Ethernet ports in accordance with the IEEE802.3 standard.

The switch enables to:

- create a local network based on 10-port Ethernet switch;
- connect 10/100Base-T/TX devices (electrical ports);
- connect 100Base-FX device (optical port);
- connect 1000Base-SX device (optical port).

KO-2s8-06 and KO-2s8-07 are qualified to group N.7-O-II(A and B) according to NO-06-A101 and NO-06-A103 (MIL-STD-810G compliant) (multi-use and continuous work equipment) within working temperatures from minus 30°C to plus 50°C and the aberration within storage temperatures from minus 40°C to plus 65°C.

KO-2s8-06 and KO-2s8-07 are devices intended to be operated in three positions. Switches may not be installed directly on the vehicle armour or the container wall. The installation is possible with the use of special cushioners provided by the producer.



TECHNICAL PARAMETERS

BASIC FUNCTIONALITIES

- Creating the local network based on 10-port Ethernet switch
- Automatic MDI/MDIX detection on electrical ports
- Electrical and optical Interfaces accordance with Ethernet standard
- Connections realized by two fiber-optic multi-mode cables of 62.5/125 μm or 50/125 μm
- Support for multicasts traffic (IGMP snooping/querier)
- Support for VLAN according to 802.1Q
- Support for the RSTP and MSTP protocols
- Autonegotiation on electrical Interfaces

INTERFACES

Electrical Ethernet port **10/100Base-T/TX**
0986 EFC 152 LUMBERG connector

Speed rate 10/100 Mbps

Optical Ethernet port **100Base-FX**
LC-D-MM duplex (two-fiber)
1402313320ME METZ connector

Wave length 1310 nm \pm 30 nm

Transmitter power -18 dBm \pm 6 dBm

Receiver sensitivity -28 dBm

Speed rate 100 Mbps

Optical Ethernet port **1000Base-SX**
LC-D-MM duplex (two-fiber)
1402313320ME METZ connector

Wave length 850 nm

Transmitter power 0 dBm \pm 9,5 dBm

Receiver sensitivity -17 dBm

Speed rate 1000 Mbps

KO-2s8-06 8x10/100Base-T/TX
1x100Base-FX

1x1000Base-SX

KO-2s8-07 8x10/100Base-T/TX
2x100Base-FX

POWER SUPPLY

Power supply +27 VDC (from 19 V to 35 V)

Power consumption <20 W

OTHER TECHNICAL PARAMETERS

Dimensions (HxWxD) 185x261x60,5 mm

Weight <3 kg

Mechanical and climatic classification Group N.7-O-II(A and B),
acc. to NO-06-A101 \pm 108 (MIL-STD-810G compliant) (multi-use and continuous work equipment)

Electromagnetic compatibility NO-06-A200 (MIL-STD-461F compliant) (KRE-02, KCE-02, KCS-01, KCS-06, KCS-07, KCS-08, KRS-02)

Operating temperature From -30°C to +60°C

Storage temperature From -40°C to +65°C

Humidity resistance 95-98% at +40°C

The mentioned parameters are non-binding specification. Transbit sp. z o.o. reserves its right to change technical parameters of the product without notice.



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