



## Media Converter 1 Cu- Port to 1 LWL-Port for military use 10 / 100 Base TX to 100 Base FX

type number 00971



1 Port Cu + 1 Multi-Mode HMC connector

### Main Feature:

Conversion between TX- LAN and FX- LAN  
Standard: fast-ethernet / protocol: IEEE802.3  
FX: Multi-Mode 1300 nm  
The switch has especially been developed for extreme harsh environmental conditions.

### Applications:

- Industrial / military
- Wheel- or chain driven vehicles
- Trains
- Ships

### Features:

- Unmanaged 10 / 100 Base TX, auto-detecting, auto-crossover and auto-polarity.
- Support for up to 1024 MAC addresses.
- Full-Duplex IEEE 802.3 & half duplex back pressure operation with flow control (no collisions)
- FX- connector with cap
- Internal EMC- filter
- ON- status shown by a green LED

### Options:

- up to 3x HDM fiber optic connections

Ask for further technical information!  
Functional or interface modifications can be realized on request. Each configuration change causes a new type number.

### Technical Data:

Housing:	AlMg3 milled, color RAL9013 (oyster white) or RAL6031 (green)
Weight:	approx. 1.3 kg
Dimensions:	without overlaying parts 170 x 100 x 60 mm (W x D x H)
Power supply:	10 V DC to 32 V DC, < 12 W acc. to VG 96916 T5 or MIL-STD-1275

### Connectors:

Ports:	1x SJT00RT08-35SN014 & 1x HMC
Power supply:	SJT00RT08-98PN014 grounding bolt M8 x 30

### Environmental Conditions:

according to MIL-STD-810F

Temperature:	-40 °C to +63 °C (operating) (MIL-STD-810F, Method 501.4 & 502.4 Proc.II) -45 °C to +71 °C (storage) (MIL-STD-810F, Method 501.4 & 502.4 Proc.I)
EMC:	VG95373 and MIL-STD-461E
MTBF:	100.000 h
Protection:	IP 65 acc. EN60529 (all connectors protected by caps) protection against ice and snow, sand and dust, salt fog (all connectors protected by caps)
Humidity:	5 % to 95 % (acc. MIL-STD-810F, Method 507.4)
Safety:	acc. EN60950
Vibration:	MIL-STD-810F: (10 to 57) Hz: ± 0.28 mm / (57 to 500) Hz: 3.5 g (all axes)
Shock:	MIL-STD-810F: 25 g / 6 ms non operating / 15 g / 11 ms operating