

# DL-TTY

## TTY-Fiber Optic System



### System description

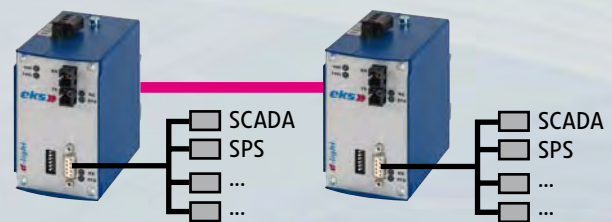
The system DL-TTY forms an asynchronous TTY- interface (20mA active, half-active or passive) which can be operated both ways: half-duplex or full-duplex.

Important performance features of the transfer with POF, HCS, multimode or singlemode fiber optic are the electromagnetic ruggedness, the potential separation of transmitter and receiver, as well as ranges up to 40km between two fiber optic systems. LED's and potential-free contacts (optional) of a fault detector relay are able to signal defective states.

In addition to ST and SC the optical connection type E2000 is also available. All systems can communicate via two as well as one fiber with the help of the BIDI-technology with SC port.

Please inquire your requested type if it is not listed in the adjoining chart.

### Application



# Ordering Information

<b>System</b>								
DL-TTY/	2x6-P-ST	2x6-P-SM	2x13-M-ST	2x13-M-SC	2x13-M-SC-BIDI	2x13-S-ST-L	2x13-S-SC-L	2x13-S-SC-BIDI
Ordering-No.	0 100 04101	0 100 04102	0 100 04121	0 100 04123	0 100 04123-BIDI	0 100 04131	0 100 04133	0 100 04133-BIDI
Fiber Connector	ST	SMA	ST	SC	SC	ST	SC	SC

<b>Fiber</b>					
Fiber Type	POF 980/1000 $\mu\text{m}$	Multi-Mode 62,5 (50) /125 $\mu\text{m}$		Single-Mode 9/125 $\mu\text{m}$	
Optical Budget	12 dB	13dB	13dB	17 dB	17 dB
Max. Distance	50 m (180 dB/km)	5 km (1 dB/km)	5 km (1 dB/km)	15 km (0,4 dB/km)	15 km (0,4 dB/km)
Wavelength	650 nm	1300 nm	1300/1500 nm	1300 nm	1300/1500 nm

<b>Interface</b>	
Data Rate max.	19,2 KBit/s
Operation Mode	full duplex: active, half active or passive / half duplex: active or passive
Load	< 100 Ohm
Current	2 x 20mA
Signal Delay	5 $\mu\text{s}$
Connector	9 pol. SUB-D female / 6 pol. screw terminal block

<b>Power Supply</b>	
Status - LED's	Power Supply (green) / Data Receive (yellow) / Status (red)
Operating Voltage	24 VDC (10 VDC .. 30 VDC), other voltages on request
Current Consumption	200 mA
Potential Separation	500 VDC (24 VDC TTY)

<b>Environmental</b>	
Operating Temperature	-10°C - +55°C
Storage Temperature	-40°C - +85°C
EMC	EN61000-6-2 / EN55022 Class B +A1 + A2

<b>Mechanical</b>	
Weight	500 g
Housing	stainless steel, powder-coated
Dimensions (H x B x T)	115 mm x 61 mm x 113 mm

