DL232-MUX

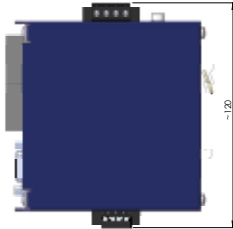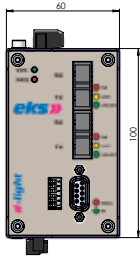## RS232-MULTIPLEXER-FO-SYSTEM

The system DL232-MUX is a multiplexer for 4xRS232 signals, working bidirectionally via fiber optics. Thus, in addition to the RxD and TxD signals, hardware-handshake signals as RTS, CTS, DCD, DSR and DTR can be transferred, too.

RS232-multiplexers have a similar pin assignment as modems. Two multiplexers, connected by fiber optics, cross the wires and operate like a null modem cable.

Hence, connecting two data processing terminals (with PC pin assignment) requires two 1:1 cables to be able to link the terminals to the multiplexers. Terminals with a DCE- pin assignment have to be connected to the multiplexer via a null modem cable.

LEDs and potential-free contacts (optional) of a fault detector relay are able to signal defective states.

Type	P-ST	H-ST	MM-ST	MM-SC	MM-SC/BIDI	SM-ST	SM-SC	SM-E2	SM-SC/BIDI
Article no. DL232	01000 1201	01000 1212	01000 1221	01000 1223	01000 1223-BIDI A 1223-BIDI B	01000 1231	01000 1233	01000 1235	01000 1233-BIDI A 1233-BIDI B
FO-connector	ST	ST	ST	SC	SC	ST	SC	E-2000	SC
Fiber type	POF 980/1000 µm	HCS 200/230 µm	Multimode 62.5 (50)/125 µm			Singlemode 9/125 µm			
Optical budget	12 dB	12 dB	12 dB			16 dB			
FO range	50 m (180 dB/km)	200 m (8 dB/km)	5 km (1 dB/km)			30 km, others up to 100 km on request (0.3 dB/km)			
Wavelength	650 nm	850 nm	1310 nm		1310 nm 1550 nm	1310 nm			1310 nm 1550 nm
Data rate max.	115.2 KBit/s								
Transmission type	Duplex								
Operation mode	up to RS232-signals bi-directional								
RS232 Cable length	15 m								
RS232 Connector	9-pole Sub-D female and 6-pole terminal								
Status-LEDs	Power supply (green) / Data (yellow) / Status (red)								
Power supply	12–30 VDC, other voltages on request								
Power consumption	5 Watts, 200 mA (24 V)								
Potential separation	500 VDC (24 VDC <> RS232)								
Operating temperature	–40 °C – +70 °C (Multimode and Singlemode with ST or SC), –20 °C – +55 °C (all others)								
EMC	EN61000-6-2/EN55022 + A1 + A2 Class B								
Weight	570 g								
Dimensions	60 x 100 x 113 mm (60 x 120 x 113 mm incl. connector)								
Housing	Stainless steel, powder coated								