



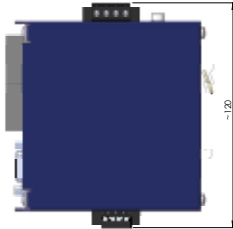
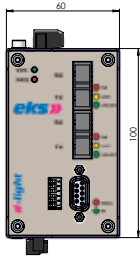
DL485-MBP / DL485-MBPR

MODBUS-PLUS- FO-SYSTEM

The fiber optic systems DL485-MBP connect a MODBUS-Plus interface to optical field bus networks. With the help of this innovative system optical bus, star, tree and mixed structures are possible.

The special multifunctional fiber optic system DL485-MBPR also allows the construction of optical ring structures.

LEDs and potential-free contacts (optional for DL485-MBP) 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. DL485-MBP	01000 6401	01000 6412	01000 6421	01000 6423	01000 6423-BIDI A 6423-BIDI B	01000 6431	01000 6433	01000 6435	01000 6433-BIDI A 6433-BIDI B
Article no. DL485-MBP-2x	01000 6451	01000 6462	01000 6471	01000 6473	01000 6473-BIDI	01000 6481	01000 6483	01000 6485	01000 6483-BIDI
Type	P-ST	H-ST	MM-ST	MM-SC	MM-SC/BIDI	SM-ST	SM-SC	SM-E2	SM-SC/BIDI
Article no. DL485-MBPR	01000 8551	01000 8562	01000 8571	01000 8573	01000 8573-BIDI	01000 8581	01000 8583	01000 8585	01000 8583-BIDI
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.	1 MBit/s								
Transmission type	Half duplex								
Signal delay	MODBUS Plus Interface <> FO: < 400 ns / Tx <> Rx: 500 ns MBPR: MODBUS Plus Interface <> FO: < 1 μs								
Terminating resistor	Acc. to MODBUS Plus specification there are no terminating resistors								
RS485 Cable length	50 m								
RS485 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 <> RS485)								
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								