



## DL422

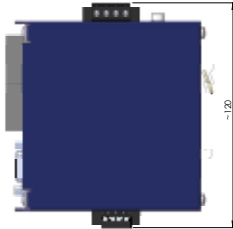
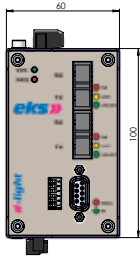
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### RS422-FO-SYSTEM PROTOCOL TRANSPARENT

The fiber optic systems DL422 connect applications with a RS422 interface via fiber optics.

With the help of this innovative system optical bus, star, tree and mixed structures are possible.

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. DL422	01000 2101	01000 2112	01000 2121	01000 2123	01000 2123-BIDI A 2123-BIDI B	01000 2131	01000 2133	01000 2135	01000 2133-BIDI A 2133-BIDI B
Article no. DL422-2x	01000 2151	01000 2162	01000 2171	01000 2173	01000 2173-BIDI	01000 2181	01000 2183	01000 2185	01000 2183-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.	Point-to-point structure: 1.5 MBit/s max. / Line topology: 1.5 MBit/s divided by no. of DL422 systems								
Transmission type	Duplex, Half duplex bei DL422-2x								
Terminating resistor	Switchable: none or wave impedance (Rw + Rpd + Rpu)								
RS422 Cable length	50 m								
RS422 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 <> RS422)								
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								