



DL CAN/ DL CAN-R

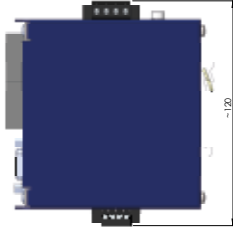
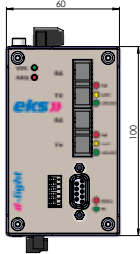
CAN-FO-SYSTEM PROTOCOL TRANSPARENT

The systems DL CAN connect CAN field bus networks (e.g. CAN, CANopen, DeviceNet) via fiber optics. With the help of this innovative system, optical bus, star, tree and mixed structures are possible.

The special multifunctional fiber optic system DL CAN-R also allows the construction of optical ring structures.

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

FiberView works similarly to a traffic light. If the "traffic light" is green, everything is fine. If the yellow LED lights, the budget is still tolerable, but already below a certain system reserve. Additionally to the LED, this pre-warning level is also signaled by a potential-free contact. If the "traffic light" turns red there is a serious error.



Type	P-ST	H-ST	MM-ST	MM-SC	MM-SC/BIDI	SM-ST	SM-SC	SM-E2	SM-SC/BIDI
Article no. DL CAN	01000 7401	01000 7412	01000 7421	01000 7423	01000 7423-BIDI A 7423-BIDI B	01000 7431	01000 7433	01000 7435	01000 7433-BIDI A 7433-BIDI B
Article no. DL CAN-2x	01000 7451	01000 7462	01000 7471	01000 7473	01000 7473-BIDI	01000 7481	01000 7483	01000 7485	01000 7483-BIDI

New CAN-R Version 3 Part Numbers (September 2023)

Type	P-ST	H-ST	MM-ST	MM-SC	MM-SC/BIDI	SM-ST	SM-SC	SM-E2	SM-SC/BIDI
Article no. DL CAN-R	-	-	0 1000 8271	0 1000 8273	-	0 1000 8281	0 1000 8283	-	-
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.	10, 20, 22,2, 50, 100, 125, 250, 500, 800, 1000 KBAud Switchable: none or wave impedance (Rw + Rpd + Rpu)								
Transmission type	Half duplex								
Identifier	11 Bit, 29 Bit or both								
Terminating resistor	Switchable: none or wave impedance (Rw + Rpd + Rpu)								
CAN Cable length	Acc. to CAN Specification								
CAN Connector	9-pole Sub-D female and 6-pole terminal								
Status-LEDs	Power supply (green) / Failure (red) / Data receive (green) / Status (red) / FiberView (red, yellow, green)								
Power supply	12-30 VDC, other voltages on request								
Power consumption	5 Watts, 200 mA (24 V)								
Potential separation	500 VDC (24 VDC <> CAN)								
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								