



EL6002 | 2-channel serial interface RS232, D-sub connection

The EL6002 serial interface enables the connection of devices with two RS232 interfaces. The devices connected to the EL6002 EtherCAT Terminal communicate with the automation device via the Coupler. The active communication channel operates independently of the higher-level EtherCAT system in full duplex mode with 300 baud up to 115.2 kbaud. The RS232 interfaces guarantee high interference immunity through electrically isolated signals.

In conjunction with the TwinCAT Virtual Serial COM Driver, the EL6002 can be used as a normal Windows COM interface.

Technical data	EL6002
Technology	D-sub, 9-pin
Data transfer channels	2
Data transfer rates	300...115,200 baud; default: 9600 baud, 8 data bits, no parity and one stop bit
Interfaces	2 x RS232
Line impedance	–
Cable length	max. 15 m
Providing external supply	–
Power supply	via the E-bus
Distributed clocks	–
Electrical isolation	500 V (E-bus/signal voltage)
Data buffer	864 bytes receive buffer, 128 bytes transmit buffer
Bit width in the process image	22 x 8 bit input, 22 x 8 bit output, 16 bit control, 16 bit status
Configuration	no address setting, configuration via the controller
Current consumption power contacts	–
Current consumption E-bus	typ. 170 mA
Special features	–
Weight	approx. 55 g
Operating/storage temperature	-25...+60 °C/-40...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Approvals	CE, UL, Ex

Accessories	
TS6360	license for using the TwinCAT Virtual Serial COM Driver for Windows and Windows CE platforms

