



Top view

EL6022 | 2-channel serial interface RS422/RS485, D-sub connection

The EL6022 serial interface enables the connection of devices with two RS422/RS485 interfaces. The devices connected to the EL6022 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 RS422/RS485 interfaces guarantee high interference immunity through electrically isolated signals. The EL6022 can provide 2 x 5 V/20 mA out of the E-bus supply (electrically isolated, short-circuit-proof) for the supply of external devices.

In conjunction with the TwinCAT Virtual Serial COM Driver, the EL6022 can be used as a normal Windows COM interface.

Technical data	EL6022
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 RS422/RS485
Line impedance	120 Ω
Cable length	approx. 1000 m twisted pair
Providing external supply	2 x max. 5 V/20 mA, out of E-Bus supply, short-circuit-proof
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. 270 mA
Special features	2 x 5 V/20 mA for external supply
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

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