

EL6002 | EtherCAT Terminal, 2-channel communication interface, serial, RS232, D-sub

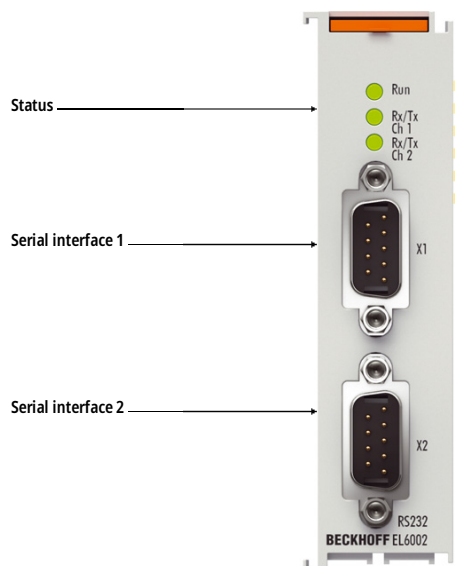


Image similar, may contain optional accessories

i **Product status:** regular delivery

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.

Product information

Technical data

Technical data	EL6002
Connection 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
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 temperature	-25...+60°C
Storage temperature	-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. rating/installation pos.	IP20/variable
Approvals/markings	CE, CCC, UL, ATEX, IECEx
Ex marking	ATEX: II 3 G Ex ec IIC T4 Gc IECEx: Ex ec IIC T4 Gc

Housing data	EL-24
Design form	compact terminal housing with signal LEDs
Material	polycarbonate
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock
Side by side mounting by means of	double slot and key connection
Marking	–
Wiring	specific push-in connection
Dimensions (W x H x D)	24 mm x 100 mm x 52 mm