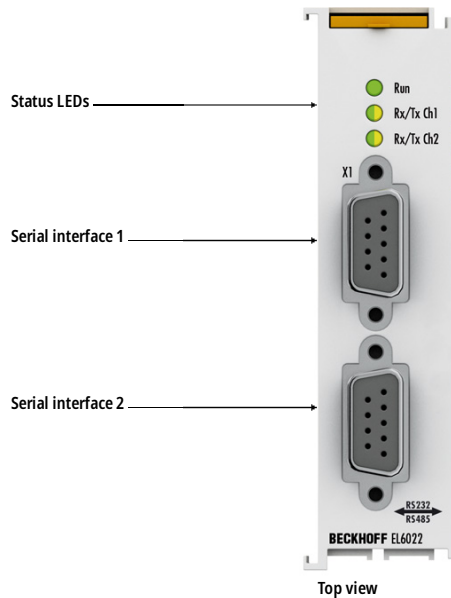
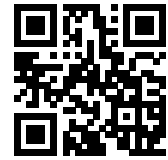


EL6022 | EtherCAT Terminal, 2-channel communication interface, serial, RS422/RS485, D-sub



i Product status: Regular delivery

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.

Product information

Technical data

Technical data	EL6022
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 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
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. rating/installation pos.	IP20/variable
Approvals/markings	CE, UL, ATEX
Ex marking	II 3 G Ex nA IIC T4 Gc

Housing data	EL-24
Design form	compact terminal housing with signal LEDs
Material	polycarbonate
Dimensions (W x H x D)	24 mm x 100 mm x 52 mm
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