Top view   Contact assembly

EL6001 | Serial interface RS232

The EL6001 serial interface enables the connection of devices with RS232 interface and operates in conformity with the CCITT V.28/DIN 66 259-1 standards. The device connected to the EL6001 EtherCAT Terminal communicates with the automation device via the coupler. The active communication channel operates independently of the higher-level bus system in full duplex mode at up to 115.2 kbaud. The RS232 interface guarantees high immunity to interference through electrically isolated signals.

In conjunction with the TwinCAT Virtual Serial COM Driver (see TwinCAT Supplements – Communication) the EL6001 can be used as a normal Windows COM interface.

Technical data	EL6001	ES6001
Technology	terminal contact
Data transfer channels	2 (1/1), TxD and RxD, full duplex
Data transfer rates	2,400…115,200 baud; default: 9,600 baud, 8 data bits, no parity and one stop bit
Bit distortion	< 3 %
Line impedance	–
Cable length	max. 15 m
Interfaces	1 x RS232
Providing external supply	–
Power supply	via the E-bus
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 E-bus	typ. 120 mA
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
Pluggable wiring	for all ESxxxx terminals
Approvals	CE, UL, Ex

Accessories	
TS6340	IEC 61131-3 software library for TwinCAT PLC for communication via serial devices
TS6341	license for using the software library for communication via serial Bus Terminals or PC COM ports using the protocol 3964R/RK512
TS6255	IEC 61131-3 software library for TwinCAT PLC with Modbus RTU function blocks for serial communication with Modbus devices
TS6360	license for using the TwinCAT Virtual Serial COM Driver for Windows and Windows CE platforms

System	
RS232	For further RS232 products please see the system overview.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Controllers *category:*

Click to view products by Beckhoff *manufacturer:*

Other Similar products are found below :

CS1WCN223 CS1WCN713 CS1WKS001E 61F-11NH 61FGPN8DAC120 61F-GP-NT AC110 61F-GPN-V50-AC110 70177-1011 F03-03 HAS B F03-03 HAS C F03-31 81513201 81513535 81550401 FT1A-C12RA-W 88981106 H2CAC24A R88A-CAGA005S R88A-CRGB003CR-E R88ARR080100S R88A-TK01K DCN1-1 DTB4896VRE DTB9696CVE DTB9696LVE MR-50LF+ E53-AZ01 E53E8C E5CWLQ1TCAC100240 B300LKL21 NE1ASCPU02EIPVER11 NE1SCPU01 NE1SDRM21U NSCXDC1V3 NSH5-232CW-3M NT20SST122BV1 NV3Q-SW41 NV4W-ATT01 NV-CN001 OAS-160-N K31S6 K33-L1B K3TX-AD31A L595020 SRS2-1 G32X-V2K 26546803 26546805 26546831 CJ1W-OD204