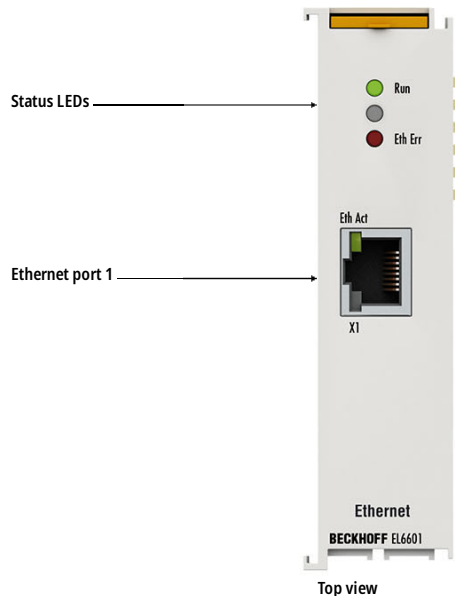


# EL6601 | EtherCAT Terminal, 1-port communication interface, Ethernet switch port



**i Product status:** Regular delivery

The EL6601 Ethernet switch port terminal is used for the decentralized connection of Ethernet devices to the EtherCAT Terminal network. The EtherCAT system relays the Ethernet communication of the connected devices fully transparent and collision-free.

The switch port terminal can be installed at any location within the EtherCAT strand. No configuration is required.

Further benefits underline the particular suitability for the application in industrial environments:

- compact design in EtherCAT Terminal housing
- 10/100 Mbit/s, half or full duplex, automatic detection of data transmission speed
- support for network variables

## Product information

### Technical data

| Technical data           | EL6601   |
|--------------------------|--|
| Number of Ethernet ports | 1  |
| Bus system               | all Ethernet (IEEE 802.3)-based protocols, store and forward switching mode  |
| Ethernet interface       | 10BASE-T/100BASE-TX Ethernet with 1 x RJ45   |
| Data transfer rates      | 10/100 Mbit/s, IEEE 802.3u auto-negotiation, half or full duplex at 10 and 100 Mbit/s possible, automatic settings |
| Cable length             | up to 100 m twisted pair   |

|                                    |  |
|------------------------------------|--|
| Hardware diagnostics               | status LEDs  |
| Power supply                       | via the E-bus  |
| Distributed clocks                 | –  |
| Electrical isolation               | 500 V (E-bus/Ethernet)   |
| Protocol                           | all Ethernet (IEEE 802.3)-based protocols, store and forward switching mode  |
| Configuration                      | no   |
| Current consumption power contacts | –  |
| Current consumption E-bus          | typ. 310 mA  |
| Special features                   | support of RT Ethernet, publisher/subscriber, DHCP/BootP server  |
| Weight                             | approx. 75 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, IECEx, cFMus   |
| Ex marking                         | ATEX:<br>II 3 G Ex nA IIC T4 Gc<br>IECEx:<br>Ex nA IIC T4 Gc<br>Ex tc IIIC T135 °C Dc<br>cFMus:<br>Class I, Division 2, Groups A, B, C, D<br>Class I, Zone 2, AEx ec IIC T4 Gc |

|                                   |   |
|-----------------------------------|---|
| <b>Housing data</b>               | <b>EL-24</b>  |
| 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                         |