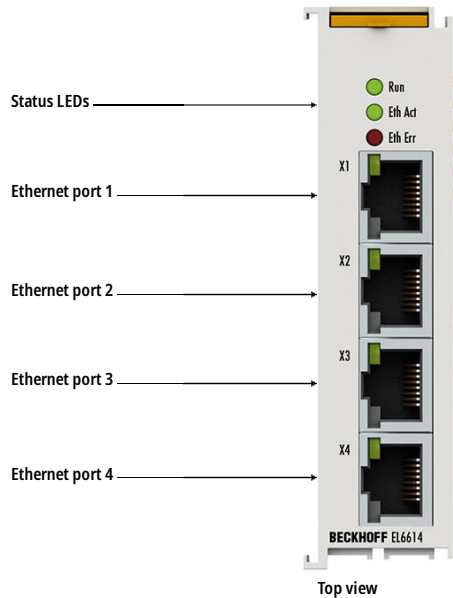


EL6614 | EtherCAT Terminal, 4-port communication interface, Ethernet switch port



i Product status: Regular delivery

The EL6614 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 EL6614 Ethernet switch port terminal is a decentralized switch that gets power from the E-bus. It relays the frames received from the ports to the destination ports. In full duplex mode, it thus enables collision-free communication of the connected devices with each other.

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	EL6614
Number of Ethernet ports	4
Bus system	all Ethernet (IEEE 802.3)-based protocols, store and forward switching mode
Ethernet interface	10BASE-T/100BASE-TX Ethernet with 4 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. 95 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/see documentation
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