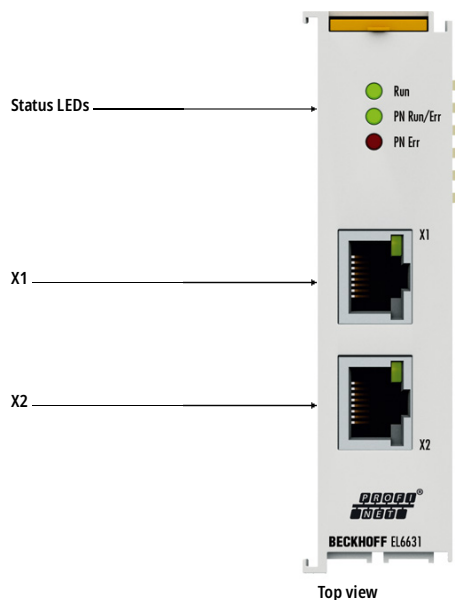


EL6631 | EtherCAT Terminal, 2-port communication interface, PROFINET RT, controller



i Product status: Regular delivery

The EL6631 PROFINET RT controller (master) terminal supports the complete real-time function (RT) as well as extensive diagnostic possibilities. All services in accordance with Conformance Class B are supported. Up to 15 PROFINET RT devices can be projected on the EL6631.

The EL6631-0010 PROFINET RT device (slave) terminal enables simple exchange of data between EtherCAT and PROFINET RT. It is a device in the EtherCAT strand, which can consist of up to 65,535 devices. The EL6631-0010 has a 3-port switch. Two ports are fed to the outside on RJ45 sockets. This allows the I/O stations to be structured as a line topology, as a result of which the wiring is simplified. The maximum distance between two devices is 100 m.

Protocols such as LLDP or SNMP can be used for network diagnosis.

Product information

Technical data

Technical data	EL6631
Technology	PROFINET RT
Number of ports/channels	2 (switched)
Ethernet interface	100BASE-TX Ethernet with 2 x RJ45
Fieldbus	PROFINET RT controller
Max. process data size	1 kbyte input 1 kbyte output data
Cable length	up to 100 m twisted pair

Hardware diagnostics	status LEDs
Power supply	via the E-bus
Electrical isolation	500 V (E-bus/Ethernet)
Protocol	RT
Configuration	via EtherCAT master
Current consumption E-bus	typ. 400 mA
Special features	LLDP, SNMP, Conformance Class B, max. 15 RT devices, min. 1 ms RT cycle
Weight	approx. 75 g
Operating/storage temperature	0...+55 °C/-25...+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