



EL6631 | PROFINET RT controller/device terminal



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.

Technical data	EL6631	EL6631-0010
Technology	PROFINET RT	
Number of ports/channels	2 (switched)	
Ethernet interface	100BASE-TX Ethernet with 2 x RJ45	
Fieldbus	PROFINET RT controller	PROFINET RT device
Cable length	up to 100 m twisted pair	
Hardware diagnosis	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. class/installation pos.	IP 20/see documentation	
Approvals	CE, UL, Ex	

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