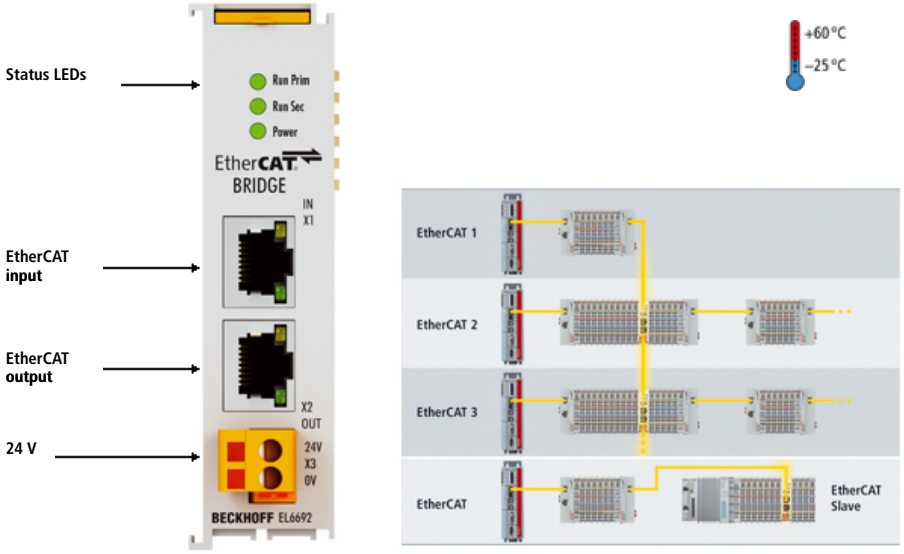

Top view

EL6692 | EtherCAT bridge terminal

The EtherCAT bridge terminal EL6692 enables data exchange between EtherCAT strands with different masters. It also enables synchronisation of the distributed clocks of the individual strands. The power supply on the primary side (E-bus) comes from the E-bus, on the secondary side (RJ45) via an external connection. If several EL6692 are used, data traffic to the terminals on the other side can continue in the event of a power supply failure on one side. The bridge terminal can also be used for integrating a subordinate PC system as an EtherCAT slave.

Technical data	EL6692
Technology	primary side: E-bus (terminal strand), secondary side: 2 x 100 Mbit/s Ethernet, RJ45, In/Out
Ports	primary: E-bus, secondary: 2 x RJ45 EtherCAT input/output
Function	EtherCAT distributed clock synchronisation, data exchange
Cable length	100 m 100BASE-TX, secondary port
Hardware diagnosis	status LEDs
Power supply	primary: via the E-bus, secondary: via connector
Distributed clocks	yes
Electrical isolation	500 V (E-bus/secondary side)
Current consumption	E-bus: 120 mA; external: 60 mA/24 V (see documentation)
Bit width in the process image	16 bit SYNC input + IO input/output, max. 480 bytes in each direction
Current consumption power contacts	–
Current consumption E-bus	E-bus: 120 mA, external: 60 mA/24 V typ.
Special features	usable in TwinCAT as a reference clock, supports ADS over EtherCAT (AoE)
Weight	approx. 85 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
Approvals	CE, Ex

Related products	
EL6695	EtherCAT bridge terminal