Status LEDs

Fieldbus connection

Top view

EL6720 | Lightbus master terminal

LIGHTBUS The EL6720 Lightbus master terminal enables the connection to Lightbus devices. The terminal supports the Lightbus protocol with all its features. Within an EtherCAT Terminal network, the EL6720 enables the integration of any Lightbus slaves. The terminal has a powerful protocol implementation with many features:

– Cycle times up to 100 µs are possible.
– Process data communication can either be free running or synchronised.
– powerful parameter and diagnostics interfaces (ADS)

Like the FC2001 Lightbus PCI card, the EL6720 can be used for connection to Lightbus networks. The terminal, however, enables a more space-saving implementation since no PCI slots are required in the Industrial PC.

Technical data	EL6720
Technology	Lightbus master terminal
Fieldbus	Lightbus
Number of fieldbus channels	1
Data transfer rates	2.5 Mbaud
Interfaces	2 x fibre optic standard connector Z1000 (plastic fibre), Z1010 (HCS fibre)
Communication	3 priority controlled logical communication channels
Bus device	max. 254 nodes with a max. of 65,280 I/O points per fieldbus connection
Hardware diagnosis	3 LEDs
Distributed clocks	–
Type of connection	fibre optic standard connector
Current consumption power contacts	–
Current consumption E-bus	typ. 240 mA
Special features	3 priority-controlled logical communication channels
Weight	approx. 70 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/variable
Approvals	CE, UL, Ex

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