



i EK9500 | EtherNet/IP Bus Coupler

EtherNet/IP The EK9500 Bus Coupler connects EtherNet/IP networks to the EtherCAT Terminals (ELxxxx) as well as EtherCAT Box modules (EPxxxx) and converts the telegrams from EtherNet/IP to the E-bus signal representation. One station consists of an EK9500 and any number of EtherCAT Terminals. The coupler is connected to EtherNet/IP via RJ45. In EtherCAT, the EtherNet/IP coupler has at its disposal a lower-level, powerful and ultra-fast I/O system with a large selection of terminals. The coupler supports the EtherNet/IP profile and fits seamlessly into EtherNet/IP networks.

Technical data	EK9500
Task within EtherCAT system	coupling of standard digital and analog EtherCAT Terminals and EtherCAT Box modules to EtherNet/IP networks
Number of EtherCAT Terminals	depending on the process data size
Type/number of peripheral signals	depending on the process data size
Protocol	EtherNet/IP
Data transfer rates	100 Mbit/s
Configuration	not required
Bus interface	2 x RJ45 (switched)
Power supply	24 V DC (-15 %/+20 %)
Input current	typ. 120 mA + (total E-bus current)/4
Current consumption E-bus	up to 2 A
Power contacts	max. 24 V DC/max. 10 A
Electrical isolation	500 V (power contact/supply voltage/Ethernet)
Dimensions (W x H x D)	64 mm x 100 mm x 73 mm
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

Accessories	
Cordsets	cordsets and connectors
FC9001-0010 FC9011	Ethernet PCI fieldbus cards

Further information	
EtherNet/IP	EtherNet/IP solutions in IP 20 and IP 67

System	
EtherNet/IP	For further EtherNet/IP products please see the system overview

