



EJ1100 | EtherCAT Coupler

The EJ1100 coupler connects EtherCAT with the EtherCAT plug-in modules (EJxxxx). It converts the passing telegrams from Ethernet 100BASE-TX to E-bus signal representation.

The coupler is connected to the network via the upper Ethernet interface. The lower RJ45 socket may be used to connect further EtherCAT devices in the same strand.

Technical data	EJ1100
Task within EtherCAT system	coupling of EtherCAT plug-in modules (EJxxxx) to 100BASE-TX EtherCAT networks
Distance between stations	max. 100 m (100BASE-TX)
Data transfer medium	Industrial Ethernet cable (min. Cat.5), shielded
Protocol	EtherCAT
Delay	typ. 1 μ s
Data transfer rates	100 Mbaud
Bus interface	2 x RJ45
Power supply	24 V DC (-15 %/+20 %)
Current consumption E-bus	–
Current supply E-bus	2200 mA
Power contacts	max. 24 V DC/max. 10 A
Electrical isolation	500 V (power contact/supply voltage/EtherCAT)
Dimensions (W x H x D)	44 mm x 66 mm x 55 mm
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection class	IP 20
Approvals	CE, UL

System	
EtherCAT	For further EtherCAT products please see the system overview