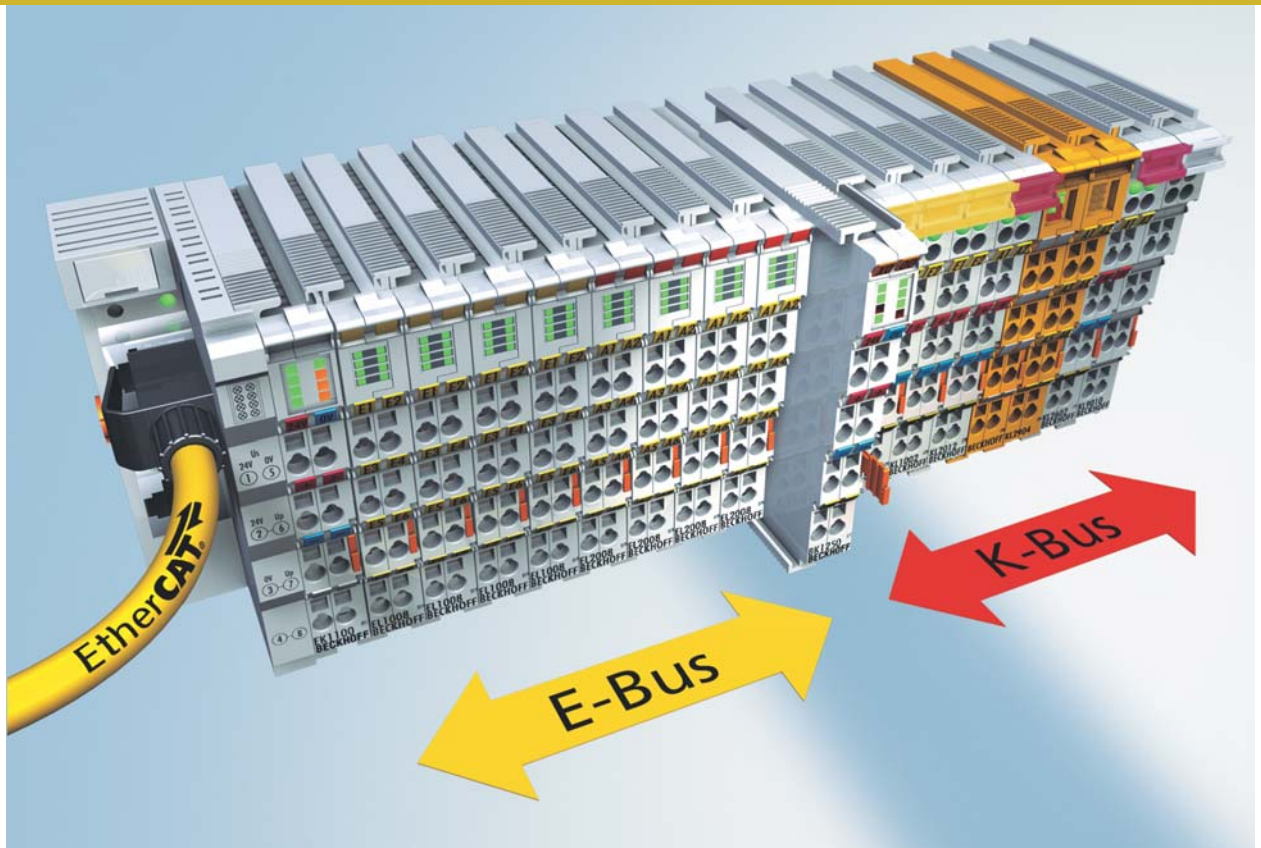


BK1250 "Compact" Coupler between E-bus and K-bus Terminals

Signal variety increased

→ The BK1250 "Compact" Coupler integrates the worlds of Bus Terminals and EtherCAT Terminals. This "Bus Coupler in Bus Terminal format" converts the E-bus signal for the K-bus. The whole range of Bus Terminals can therefore be utilized easily and cost-effectively in the EtherCAT system.

The BK1250 coupler connects the Bus Terminals and the EtherCAT Terminals. The whole range of Bus Terminals can therefore be utilized easily and cost-effectively in the EtherCAT system.



For the EtherCAT real-time Ethernet system, Beckhoff offers the user two I/O systems, i.e. the Bus Terminal and the EtherCAT Terminal system. From the outside and in terms of mechanical configuration both are almost identical. The differences are internal, i.e. in the signal and protocol processing. The EtherCAT Terminals are specially designed for the high performance and flexible topology of EtherCAT. On the hardware side, the modular EtherCAT I/O system with IP 20 protection is based on the case of the reliable Bus Terminal system. In contrast to Bus Terminals, where the fieldbus signal is converted within the Bus Coupler to the internal, fieldbus-independent Terminal Bus (K-bus), the EtherCAT protocol is fully maintained right up to the individual terminals.

The BK1250 enables mixed application of EtherCAT Terminals (ELxxxx) and standard Bus Terminals (KLxxxx) in a bus station. It allows implementation of compact and cost-effective control solutions. The wide range of more than 300 available Bus Terminals (incl. special terminals) can thus be optimally combined with the communication speed and large bandwidth of EtherCAT Terminals.

→ www.beckhoff.com/BK1250

i Product announcement estimated market release 3rd quarter 2007