

Q.brixx XE BC

Bus coupler for connection to EtherCAT Modules

Q.brixx XE is a new addition to the Q.series product family - the ideal EtherCAT DAQ solution for on-the-go applications in potentially harsh environments. Q.brixx XE DAQ systems consist of up to 10 measurement modules capable of up to 100 kHz sampling per channel and an integrated EtherCAT bus coupler providing short cycle times and low jitter for accurate synchronization, all within a robust aluminum housing capable of withstanding severe shock and vibration without sacrificing performance.

- DC (distributed clock) for data synchronization
- FoE (file access over EtherCAT, ETG.1000.5) and CoE (CAN over EtherCAT, ETG.50001.1)
- Configurable PDO mapping to optimize the data throughput
- Electromagnetic Compatibility according to EN61000-4 and EN55011
- Power supply 10 ... 30 VDC



Key Features

- Bus coupler for connection of the modules Q.bloxx EC
Converting of the defined by EtherCAT LVDS (Low Voltage Differential Signal) on standard Ethernet
- Connection of up to 10 I/O-Modules
Power supply and interface link for up to 10 modules (up to 80 measuring channels) via the rear industry-standard connectors
- EtherCAT IN/OUT
2x RJ45 connectors
- USB interface for configuration
Micro USB to configure the Q.bloxx EC measurement and I/O modules using the configuration software ICP100
- Power supply of the modules 10 VDC up to 30 VDC
M12 connector for the supply of the bus coupler and of max. 10 connected measurement and I/O modules



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Technical Data

Power Supply

Input voltage	10 to 30 VDC, overvoltage and overcurrent protection
Power consumption	approx.. 2 W, additional 4 W for each module, max. 45 W
PE connection	it is strongly recommended to connect PE (Protective Earth) on the front panel

Environmental

Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +85°C
Relative humidity	5 % to 95 % at 50°C, non-condensing

Mechanical information

Material	Aluminum
Measurements (W x H x D)	30x 137 x 135mm
Weight	approx. 500 g
Protection class	IP40

Ordering Information

Article number	532624
Accessories	Gl.bench, article number -

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