

EtherCAT Box: Multi-function inputs reduce logistics expenditure

32 bit fast-pulse counters in compact IP 67 Box

The EP1518 EtherCAT Box integrates numerous functions in a single box: 32 bit counters, digital inputs with sensor diagnosis and adjustable filter characteristics. The combination of these functions in just one module enables flexible use and also reduces logistics expenditure.

The EP1518 encompasses eight digital 24 V DC inputs as well as an EtherCAT input port and an EtherCAT output port for linking to the process level. The EtherCAT Box counts fast pulses with a counting frequency of up to 1 kHz. The integrated data pre-processing enables the counting pulses to be counted reliably, independent of the control cycle time.

In the delivery state the EP1518 is set to two up/down counters with a resolution of 32 bits. Each counter has an up/down and gate input that can be deactivated. Two inputs are available for standard functions. Beyond that, all eight signal inputs of the IP 67 Box are transmitted as "normal" digital signals over EtherCAT.

In addition, the EtherCAT Box is equipped with short-circuit detection via diagnosis of the sensor supply. The software-based adaptation of the inputs to the most diverse sensors/switches can be adjusted by filter characteristics between 0 and 100 ms.



The EP1518 EtherCAT Box unites numerous functions in a single module: two 32 bit counters, digital inputs with sensor diagnosis and an input filter adjustable between 0 and 100 ms.

Further Information:

www.beckhoff.com/EP1518