



EP1918-0002

## i EP1918-0002 | 8-channel digital input, TwinSAFE Logic, 24 V DC

The EP1918 TwinSAFE EtherCAT Box is a digital EtherCAT Box for sensors with potential-free contacts for 24 V DC. It has eight fail-safe inputs. The EP1918 integrates a programmable TwinSAFE Logic enabling the implementation of safety applications directly in the EtherCAT Box. Depending on the application, the safety-oriented information can be pre-processed directly in the EtherCAT Box so that the central TwinSAFE Logic need only process the information that is aggregated.

Technical data	EP1918-0002
Connection technology	M12, screw type
Specification	link unit between safe input and output signals
Number of inputs	8
Protocol	TwinSAFE/Safety over EtherCAT
Fault response time	≤ watchdog time (parameterisable)
Current consumption from Us/Up	max. 87 mA/max. 27 mA
Installation position	variable
Safety standard	EN ISO 13849-1:2015 (Cat. 4, PL e) and EN 61508:2010 (SIL 3)
Approvals	CE, TÜV SÜD (certification in preparation)
Protection class	IP 67 (according to EN 60529)

Accessories	
ZK1090-3xxx-xxxx	Cables for EtherCAT signal in- and -output
ZK2000-6xxx-xxxx	Cables for M12 I/O connection sockets
ZK2020-3xxx-xxxx	Cables for M8 power supply

<b>i</b> Product announcement	estimated market release on request
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