



Top view

i EL1918 | 8-channel digital input terminal, TwinSAFE, 24 V DC, TwinSAFE Logic

The EL1918 TwinSAFE EtherCAT Terminal is a digital input terminal for sensors with potential-free contacts for 24 V DC. The EtherCAT Terminal has eight fail-safe inputs. The EL1918 meets the requirements of IEC 61508 SIL 3 and DIN EN ISO 13849 PL e. The EL1918 integrates a programmable TwinSAFE Logic enabling the implementation of safety applications directly in the terminal. Depending on the application, the safety-oriented information can be pre-processed directly in the terminal so that the central TwinSAFE Logic need only process the information that is aggregated there.

Technical data	EL1918
Connection technology	1-/2-wire
Safety standard	EN ISO 13849-1:2015 (Cat. 4, PL e) and EN 61508:2010 (SIL 3)
Number of inputs	8
Protocol	TwinSAFE/Safety over EtherCAT
Fault response time	≤ watchdog time (parameterisable)
Supply voltage	24 V DC (-15 %/+20 %)
Nominal voltage	24 V DC (-15 %/+20 %)
Special features	8 safe inputs, integrated TwinSAFE Logic
Permitted degree of contamination	2
Climate class EN 60721-3-3	3K3
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
Installation position	horizontal
Protection class	IP 20
Approvals	CE, TÜV SÜD (certification in preparation)



Product announcement

estimated market release on request