



Top view

i EL1957 | 8-channel digital input, 4-channel digital output, TwinSAFE Logic, 24 V DC, 0.5 A

The EL1957 safety EtherCAT Terminal is a digital input and output terminal for sensors with potential-free contacts for 24 V DC. It has eight fail-safe inputs and four fail-safe outputs. Moreover, the EL1957 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 terminal, so that the central TwinSAFE Logic only has to process the aggregated information.

Technical data	EL1957
Connection technology	1-/2-wire
Specification	link unit between safe input and output signals
Number of inputs	8
Number of outputs	4
Max. output current	0.5 A
Protocol	TwinSAFE/Safety over EtherCAT
Fault response time	≤ watchdog time (parameterisable)
Installation position	horizontal
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 20



Product announcement

estimated market release on request