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EL2911 | Potential supply terminal, TwinSAFE, 24 V DC, 10 A, 4 safe inputs, 1 safe output, TwinSAFE Logic

The EL2911 Safety EtherCAT Terminal is a potential power supply terminal and enables the setup of TwinSAFE groups with safe power supply (24 V DC, up to 10 A). If the TwinSAFE Terminal detects a fault, it switches to safe state (fail safe). Safe potential groups can be created within a terminal strand using the EL2911. In addition, the terminal provides 4 fail-safe inputs and 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	EL2911
Connection technology	1-/2-wire and/or via power contacts
Specification	link unit between safe input and output signals
Number of outputs	1
Max. output current	10 A
Protocol	TwinSAFE/Safety over EtherCAT
Fault response time	≤ watchdog time (parameterisable)
Current consumption power contacts	load-dependent
Current consumption E-bus	typ. 180 mA
Installation position	horizontal
Safety standard	EN ISO 13849-1:2015 (Cat. 4, PL e) and EN 61508:2010 (SIL 3)
Weight	approx. 98 g
Protection class	IP 20
Approvals/markings	Overview of TwinSAFE Certifications (PDF)
Download EtherCAT slave information (ESI)	ESI config file EL29xx (ZIP)

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