



Top view

## i 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. The EL2911 meets the requirements of IEC 61508 SIL 3 and DIN EN ISO 13849 PL e. 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
Technology	potential supply terminal
Safety standard	EN ISO 13849-1:2015 (Cat. 4, PL e) and EN 61508:2010 (SIL 3)
Number of outputs	1
Protocol	TwinSAFE/Safety over EtherCAT
Fault response time	≤ watchdog time (parameterisable)
Supply voltage	24 V DC (-15 %/+20 %)
Max. output current	10 A
Nominal voltage	24 V DC (-15 %/+20 %)
Current load	≤ 10 A
Special features	safe power supply, 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



### Product announcement

estimated market release on request