



EL2869 | HD EtherCAT Terminal, 16 digital output channels, 24 VDC, 0.5 A, with channel diagnostics

The EL2869 digital output terminal connects the binary control signals of the automation device to the actuators, electrically isolated from the process level. The EL2869 is protected against polarity reversal and handles load currents with outputs that are protected against overloads and short circuits. A diagnostic bit is set for the affected channel if there is an overload. The output behavior of the channels in the event of a bus error can be parameterized (safe state). The switching state and a possible error of the output are indicated via the LED. The power contacts are connected through.

With the EL2869, the outputs are supplied via the 24 V power contact. The conductor connection can be carried out without tools in the case of single-wire conductors, using the direct plug-in technique.

Technical data	EL2869
Connection technology	1-wire
Digital outputs	16
Nominal voltage	24 VDC (-15% / +20%)
Load type	ohmic, inductive, lamp load
Distributed clocks	-
Output current max.	0.5 A (short-circuit proof) per channel
Output stage	Push (HighSide switch)
Short circuit current	< 1.5 A typ.
Reverse polarity protection	yes
Switch-off energy (ind.) max.	< 150 mJ/channel
Switching times	T _{ON} : 60 µs typ., T _{OFF} : 300 µs typ.
Current consumption E-bus	60 mA typ.
Electrical isolation	500 V (E-bus/field voltage)
Current consumption power contacts	50 mA typ. + load
Bit width in process image	16 bit output, 16 bit diagnostics
NoCoeStorage functionality	yes
Configuration	via TwinCAT System Manager
Special features	Diagnosis via process data and LED: Overload (channel by channel)
Weight	approx. 60 g
Permissible ambient temperature range during operation	-25 °C ... +60 °C (extended temperature range)
Permissible ambient temperature range during storage	-40 °C ... +85 °C
Permissible relative humidity	95%, no condensation
Dimensions (W x H x D)	approx. 15 mm x 100 mm x 70 mm (width in alignment: 12 mm)
Mounting	on 35 mm mounting rail according to EN 60715
Vibration / shock resistance	according to EN 60068-2-6 / EN 60068-2-27
EMC resistance / emission	according to EN 61000-6-2 / EN 61000-6-4
Protection class	IP20
Mounting position	see documentation
Marking / Approval	CE, UKCA, (UL in preparation)

*) Real applicable approvals/markings see type plate on the side (product marking).