



EL2809-0015 | 16-Channel Digital Output Terminal, 24 V_{DC}, 0.35 A

The EL2809-0015 digital output terminal connects the binary control signals from the automation device on to the actuators at the process level with electrical isolation. The EL2809-0015 has sixteen channels that indicates its signal state via light emitting diodes.

If the terminal is used as a replacement for an EL2809, a change of the TwinCAT configuration is not necessary (default settings).

Technical data	EL2809-0015
Digital outputs	16
Connection technology	1-wire
Nominal output voltage	24 V _{DC} (-15% / +20%)
Load type	ohmic, inductive
Output current per channel	maximum 0.35 A per channel (not short-circuit proof), Σ 4,5 A
Switching times	T _{ON} : 10 µs typ.; T _{OFF} : 25 µs typ.
Current consumption from the E-bus	typ. 140 mA
Current consumption power contacts	typ. 35 mA + load
Electrical isolation	500 V (E-bus / field voltage)
Bit width in the process image	16 output bits
Distributed clocks	-
Configuration	no address or configuration setting
Permissible ambient temperature range during operation	0°C ... +55°C
Permissible ambient temperature range during storage	-25°C ... +85°C
Permissible relative humidity	95%, no condensation
Weight	approx. 70 g
Dimensions (W x H x D)	approx. 15 mm x 100 mm x 70 mm (width aligned: 12 mm)
Mounting	on 35 mm mounting rail conforms to EN 60715
Vibration / shock resistance	conforms to EN 60068-2-6 / EN 60068-2-27
EMC resistance burst / ESD	conforms to EN 61000-6-2 / EN 61000-6-4
Protection class / installation position	IP20 / variable
Markings / approvals*	CE, UKCA, cULus, EAC

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