



EL2872-0010 | 16-channel digital output terminal 24 V DC, flat-ribbon cable connection

The EL2872-0010 digital output terminal (negative switching) offers a very compact design with its 16 channels. It is thus ideally suited for multi-pin connector valve terminals. A 20-pin connector enables the secure connection of plug connectors using insulation displacement contact, as is usual for ribbon cables and special round cables. This significantly simplifies the wiring of many channels. State-of-the-art output drivers guarantee minimum power dissipation. 16 LEDs display the logical signal states of the outputs.

Technical data	EL2872-0010
Connection technology	flat-ribbon cable
Number of outputs	16
Rated load voltage	24 V DC (-15 %/+20 %), max. 1 A per connection pin
Load type	ohmic, inductive, lamp load
Distributed clocks	–
Max. output current	0.5 A (short-circuit-proof) per channel
Short circuit current	typ. < 7 A
Reverse voltage protection	yes
Breaking energy	< 150 mJ/channel
Switching times	T _{ON} : 50 µs, T _{OFF} : 200 µs
Current consumption E-bus	typ. 130 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 25 mA + load (no power contacts)
Bit width in the process image	16 outputs
Configuration	no address or configuration setting
Special features	ideal for multi-pin connector valve terminals
Weight	approx. 55 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Approvals	CE, UL, Ex

Related products	
EL2872	16-channel digital output terminal 24 V DC, 0.5 A, flat-ribbon cable connection