



EL2878-0005 | 8-channel digital output terminal 24 V DC, flat-ribbon cable connection, integrated diagnosis of supply voltage

The EL2878-0005 digital output terminal offers a very compact design with its 8 channels. It is thus suited for example 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. 8 LEDs display the logical signal states of the outputs. The terminal analyses the supply voltage and reports the status via process image and LED.

Technical data	EL2878-0005
Connection technology	flat-ribbon cable
Number of outputs	8
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. < 2 A
Reverse voltage protection	yes
Breaking energy	< 150 mJ/channel
Switching times	typ. T _{ON} : 60 µs, typ. T _{OFF} : 300 µs
Current consumption E-bus	typ. 100 mA
Electrical isolation	500 V (E-bus/field potential)
Current consumption power contacts	typ. 20 mA + load from the 24 V supply (no power contacts)
Special features	integrated diagnosis of supply voltage
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