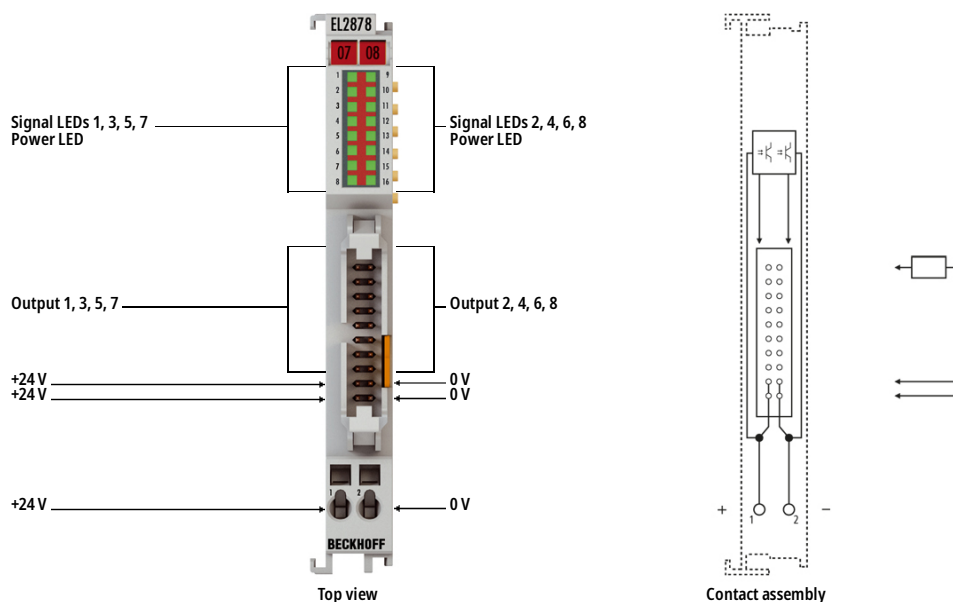


EL2878-0005 | EtherCAT Terminal, 8-channel digital output, 24 V DC, 0.5 A, flat-ribbon cable, with diagnostics



i Product status: Regular delivery

The EL2878-0005 digital output terminal offers a very compact design with its 8 channels. A 20-pin contact strip 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. The signal states of the channels are indicated by LEDs. The terminal also monitors the supply voltage and reports the status via process image and LED.

Special features:

- Connection of different load types possible (ohmic, inductive, lamp load)
- Ideal for valve terminals with multi-pin plug connection
- Max. output current 0.5 A per channel
- Short-circuit-proof outputs and reverse polarity protection
- Integrated supply voltage diagnostics
- Direct connection of connectors with insulation displacement contacts

Product information

Technical Data

Technical data	EL2878-0005
Connection technology	flat-ribbon cable
Number of outputs	8
Nominal voltage	24 V DC (-15 %/+20 %)

Rated current	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. TON: 60 µs, typ. TOFF: 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	diagnostics 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. rating/installation pos.	IP20/variable
Approvals/markings	CE, UL

Housing data	EL-12-FRC
Design form	compact terminal housing with signal LEDs
Material	polycarbonate
Dimensions (W x H x D)	12 mm x 100 mm x 73 mm
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock
Side by side mounting by means of	double slot and key connection
Marking	labeling of the BZxxx series
Wiring	flat-ribbon cable connection
Connection cross-section	common flat-ribbon cables, AWG 28, spacing 1.27 mm
Connection cross-section AWG	AWG 28
Stripping length	–

*s: solid wire; st: stranded wire; f: with ferrule