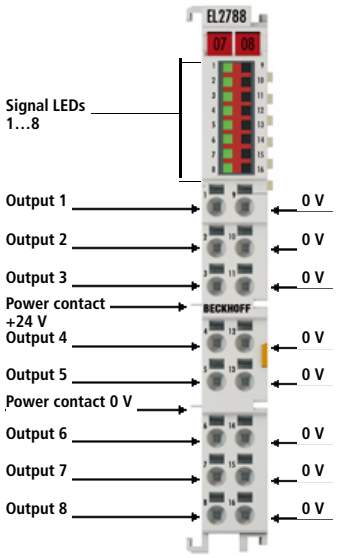
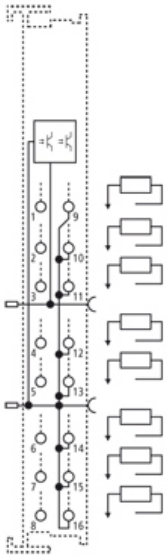


Top view


Contact assembly

EL2788 | 8-channel digital output terminal 30 V AC/DC, 2 A, solid state

The digital EL2788 EtherCAT Terminal provides eight switches that can be used like a relay contact for AC/DC voltages. The electronic switch is realised through high-performance MOSFET transistors with low switch-on resistance. The switch itself is not short-circuit-proof, but due to its high pulse current capability it can cope with current until an external fuse triggers a switch-off. Wear resistance increases the availability of the application. Resistive and light inductive loads can be switched up to a rated voltage of 30 V AC/DC, completely resistive loads also up to a rated voltage of 48 V DC. High peak voltages and electromagnetic interference pulses are prevented.

Technical data	EL2788
Connection technology	2-wire
Number of outputs	8 x make contacts
Rated load voltage	0…30 V AC/DC (only ohmic load: 0…48 V DC)
Distributed clocks	–
Max. output current	2 A per channel (∑ 10 A)
Short circuit current	not short-circuit-proof, see peak current
Reverse voltage protection	–
Switching times	Ton: typ. 1.8 ms, Toff: typ. 30 ms
Breakdown voltage	80 V
Peak current	5 A (100 ms), < 50 A (10 ms)
Isolation voltage (channel/channel)	–
Current consumption E-bus	typ. 140 mA
Electrical isolation	500 V (E-bus/field potential)
Switching on speed	typ. 1.8 ms, max. 5 ms
Switching off speed	typ. 30 ms, max. 50 ms
On-resistance	typ. 0.03 Ω
Special features	substitute for relay contacts
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

Related products	
EL2798	8-channel digital output terminal, 2-wire, 48 V AC/DC, 2 A