Run LED1
Run LED3
Run LED5
Run LED7

Run LED2
Run LED 4
Run LED6
Run LED 8

Output 1

Output 2

Output 3
Power contact
+24 V

Output 4

Output 5
Power contact 0 V

Output 6

Output 7

Output 8

25 g

Top view   **Contact assembly**

EL4028 | 8-channel analog output terminal 4…20 mA, 12bit

The EL4028 analog output terminal generates signals in the range between 4 and 20 mA. The power is supplied to the process level with a resolution of 12 bits and is electrically isolated. Ground potential for the output channels of the EtherCAT Terminal is common with the 24 V DC supply. The output stages are powered by the 24 V supply. The EL4028 combines eight channels in one housing. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

Technical data	EL4028	ES4028
Connection technology	1-wire, single-ended
Number of outputs	8
Power supply	24 V DC via power contacts
Signal current	4…20 mA
Distributed clocks	yes
Distributed clock precision	<< 1 µs
Load	< 150 Ω
Output error	< 0.1 % (relative to end value)
Resolution	12 bit
Electrical isolation	500 V (E-bus/signal voltage)
Conversion time	~ 400 µs
Current consumption power contacts	typ. 60 mA
Current consumption E-bus	typ. 100 mA
Bit width in the process image	8 x 16 bit AO output
Special features	Optional watchdog: user-specific output value with ramp; user synchronisation can be activated.
Weight	approx. 60 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
Pluggable wiring	for all ESxxxx terminals
Approvals	CE, UL, Ex