



EL4038 | 8-channel analog output terminal -10...+10 V, 12 bit

The EL4038 analog output terminal generates signals in the range between -10 and +10 V. The voltage is supplied to the process level with a resolution of 12 bits and is electrically isolated. The output channels of the EtherCAT Terminal have a common ground potential. The EL4038 combines eight channels in one housing. The output stages are powered by the 24 V supply. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

| Technical data | EL4038 ES4038 |
|------------------------------------|---|
| Connection technology | 1-wire, single-ended |
| Number of outputs | 8 |
| Power supply | 24 V DC via power contacts |
| Signal voltage | -10...+10 V |
| Distributed clocks | yes |
| Distributed clock precision | << 1 μ s |
| Load | > 5 k Ω (short-circuit-proof) |
| Output error | < 0.1 % (relative to end value) |
| Resolution | 12 bit |
| Electrical isolation | 500 V (E-bus/signal voltage) |
| Conversion time | ~ 400 μ s |
| Current consumption power contacts | typ. 25 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. 85 g |
| Operating/storage temperature | -25...+60 °C/-40...+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 |