



EL4112 | 2-channel analog output terminal 0...20 mA, 16 bit

The EL4112 analog output terminal generates analog output signals in the range between 0 and 20 mA. The power is supplied to the process level with a resolution of 16 bits and is electrically isolated. Ground potential for the output channels of an EtherCAT Terminal is common with the 0 V DC supply. The output stages are powered by the 24 V supply. The EL4112 combines two channels in one housing. The EtherCAT Terminal indicates its signal state by means of light emitting diodes.

| Technical data | EL4112 ES4112 |
|------------------------------------|--|
| Connection technology | 3-wire, single-ended |
| Number of outputs | 2 |
| Power supply | 24 V DC via power contacts |
| Signal current | 0...20 mA |
| Distributed clocks | yes |
| Distributed clock precision | << 1 μ s |
| Load | < 500 Ω (short-circuit proof) |
| Output error | < 0.1 % (relative to end value) |
| Resolution | 16 bit (incl. sign) |
| Electrical isolation | 500 V (E-bus/signal voltage) |
| Conversion time | ~ 40 μ s |
| Current consumption power contacts | typ. 15 mA + load |
| Current consumption E-bus | typ. 160 mA |
| Bit width in the process image | 2 x 16 bit AO output |
| Special features | Watchdog parameterisable; 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 ESxxx terminals |
| Approvals | CE, UL, Ex |

| Related products | |
|--------------------|----------------------------|
| EL4112-0010 | signal current \pm 10 mA |