



EL3061, EL3062 | 1-, 2-channel analog input terminals 0...10 V, single-ended, 12 bit

The EL3061 and EL3062 analog input terminals process signals in the range between 0 and 10 V. The voltage is digitised to a resolution of 12 bits and is transmitted, electrically isolated, to the higher-level automation device. The input channels of an EtherCAT Terminal have the reference ground as common ground potential. The EL3061 is the single-channel version. The EL3062 combines two channels in one housing. The signal state of the EtherCAT Terminals is indicated by light emitting diodes.

Technical data	EL3061 ES3061	EL3062 ES3062
Number of inputs	1 (single-ended)	2 (single-ended)
Power supply	via the E-bus	
Technology	single-ended	
Signal voltage	0...10 V	
Distributed clocks	–	
Internal resistance	> 130 kΩ	
Input filter limit frequency	1 kHz	
Resolution	12 bit (16 bit presentation, incl. sign)	
Conversion time	0.625 ms default setting, configurable	
Measuring error	< ±0.3 % (relative to full scale value)	
Electrical isolation	500 V (E-bus/signal voltage)	
Current consumption power contacts	–	
Current consumption E-bus	typ. 130 mA	
Dielectric strength	max. 30 V	
Bit width in the process image	inputs: 4 byte	inputs: 8 byte
Special features	activatable FIR/IIR filters, limit value monitoring	
Weight	approx. 60 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	

Special terminals	
EL3062-0030	signal voltage 0...30 V