Run LED · Run LED · Run LED · Run LED · Run LED · Run LED · Run LED · Run LED

Input 1 · Input 2 · Input 3 · Input 4 · Power contact +24 V · Input 5 · Input 6 · Power contact 0 V · Input 7 · Input 8

Top view **Contact assembly**

+60 °C
−25 °C

25 g

EL3068 | 8-channel analog input terminal 0…10 V, single-ended, 12 bit

The EL3068 analog input terminal processes signals in the range between 0 and 10 V. The voltage is digitised with a resolution of 12 bits and is transmitted (electrically isolated) to the higher-level automation device. The EL3068 EtherCAT Terminal combines eight channels in one housing. The power contacts are connected through. The 0 V power contact is used as reference ground connection for the inputs. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

Technical data	EL3068	ES3068
Number of inputs	8 (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
Dielectric strength	max. 30 V
Conversion time	1.25 ms default setting, configurable, multiplex
Resolution	12 bit (16 bit presentation incl. sign)
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
Bit width in the process image	inputs: 32 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/markings	CE, UL, ATEX
Ex-Marking	II 3 G Ex nA IIC T4 Gc

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