



## EL3062 | 2-channel analog input terminal 0...10 V, single-ended, 12 bit

The EL3062 analog input terminal processes 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 the EtherCAT Terminal have the reference ground as common ground potential. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

| Technical data                     | EL3062   ES3062                                     |
|------------------------------------|---|
| Number of inputs                   | 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   |
| Dielectric strength                | max. 30 V   |
| Conversion time                    | 0.625 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: 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/markings                 | CE, UL, ATEX  |
| Ex-Marking                         | II 3 G Ex nA IIC T4 Gc                              |

| Special terminals  |                         |
|--------------------|-------------------------|
| <b>EL3062-0030</b> | signal voltage 0...30 V |

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