

EL3064 | 4-channel analog input terminal 0...10 V, single-ended, 12 bit

The EL3064 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 EL3064 EtherCAT Terminal features 2-wire conductors for the four single-ended inputs with a common internal ground potential. The power contacts are connected through. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

Rednifical data EL3064 [ES3064] Number of inputs 4 (single-ended) Power supply via the E-bus Technology single-ended Signal voltage 010 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 Resolution 12 bit (16 bit presentation, incl. sign) Measuring error < ±0.3 % (relative to full scale value)	- 1 - 11 -	NAME OF THE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER
Power supply via the E-bus Technology single-ended Signal voltage 010 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 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	Technical data	EL3064 ES3064
Technology single-ended Signal voltage 010 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 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	Number of inputs	
Signal voltage 010 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 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	Power supply	via the E-bus
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 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	Technology	single-ended
Internal resistance > 130 kΩ Input filter limit frequency 1 kHz Dielectric strength max. 30 V Conversion time 0.625 ms default setting, configurable 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	Signal voltage	010 V
Input filter limit frequency 1 kHz Dielectric strength max. 30 V Conversion time 0.625 ms default setting, configurable 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	Distributed clocks	-
Dielectric strength max. 30 V Conversion time 0.625 ms default setting, configurable 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	Internal resistance	> 130 kΩ
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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	Dielectric strength	max. 30 V
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	Conversion time	0.625 ms default setting, configurable
Electrical isolation 500 V (E-bus/signal voltage) Current consumption power contacts - Current consumption E-bus typ. 130 mA	Resolution	12 bit (16 bit presentation, incl. sign)
Current consumption power contacts Current consumption E-bus typ. 130 mA	Measuring error	< ±0.3 % (relative to full scale value)
contacts Current consumption E-bus typ. 130 mA	Electrical isolation	500 V (E-bus/signal voltage)
		-
Bit width in the process image inputs: 16 byte	Current consumption E-bus	typ. 130 mA
•	Bit width in the process image	inputs: 16 byte
Special features activatable FIR/IIR filters, limit value monitoring	Special features	activatable FIR/IIR filters, limit value monitoring
Weight approx. 60 g	Weight	approx. 60 g
Operating/storage temperature -25+60 °C/-40+85 °C	Operating/storage temperature	-25+60 °C/-40+85 °C
Relative humidity 95 %, no condensation	Relative humidity	95 %, no condensation
Vibration/shock resistance conforms to EN 60068-2-6/EN 60068-2-27	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	EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos. IP 20/variable	Protect. class/installation pos.	IP 20/variable
Pluggable wiring for all ESxxxx terminals	Pluggable wiring	for all ESxxxx terminals
Approvals CE, UL, Ex	Approvals	CE, UL, Ex