



EL3621-0020 | 1-channel analog input terminal 4...20 mA, differential input, 24 bit, with calibration certificate

The EL3621-0020 analog input terminal handles signals in the range between 4 and 20 mA. The voltage is digitised to a resolution of 24 bit and is transmitted, electrically isolated, to the higher-level automation device. The terminal has a differential input. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

The calibration certificate for the respective serial number can be downloaded from www.beckhoff.com/certificates.

Technical data	EL3621-0020
Number of inputs	1 (differential)
Power supply	via the E-bus
Technology	differential input
Signal current	4...20 mA
Distributed clocks	–
Internal resistance	85 Ω typ. + diode voltage
Input filter limit frequency	3 kHz
Common-mode voltage U_{CM}	10 V max.
Resolution	24 bit (incl. sign)
Conversion time	1...400 ms configurable
Input signal bandwidth	see input filter
Measuring error	< ± 0.01 % at 25 °C (relative to full scale value, 50 Hz filter)
Electrical isolation	500 V (E-bus/signal voltage)
Current consumption power contacts	–
Current consumption E-bus	typ. 190 mA
Crosstalk attenuation	> 60 dB
Special features	various filter times, limit evaluation, high precision, with calibration certificate
Weight	approx. 60 g
Operating/storage temperature	0...+55 °C/-25...+85 °C (-25...+60 °C/-40...+85 °C in preparation)
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
Approvals	CE

Services and further information	
ZS9001-EL3621-0020	recalibration service for EL3621-0020: check, compensation, recalibration
ZS9001	recalibration of I/O components with calibration certificate, includes check, compensation, recalibration, package price depending on terminal series
ELxxx-0020	EtherCAT Terminals with calibration certificate