



EJ3004 | 4-channel analog input -10...+10 V, single-ended, 12 bit

The EJ3004 analog input processes signals in the range between -10 and +10 V. The voltage is digitised to a resolution of 12 bits, and is transmitted, electrically isolated, to the higher-level automation device. In the EtherCAT plug-in module, the four single ended inputs are 2-wire versions and have a common, internal ground potential. The signal state of the EJ3004 is indicated by light emitting diodes.

Technical data	EJ3004
Power supply	via the E-bus
Technology	single-ended
Number of inputs	4 (single-ended)
Signal voltage	-10...+10 V
Distributed clocks	–
Internal resistance	> 130 kΩ
Input filter limit frequency	1 kHz
Conversion time	typ. 0.625 ms (default setting: 50 Hz filter)
Resolution	12 bit (16 bit presentation)
Measuring error	< ±0.3 % (relative to full scale value)
Electrical isolation	500 V (E-bus/field potential)
Current consumption E-bus	typ. 120 mA
Special features	standard and compact process image, switchable measuring data representation, activatable FIR/IIR filters, limit value monitoring, overload display in the process data
Dimensions (W x H x D)	approx. 12 mm x 66 mm x 55 mm
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protection class	IP 20
Approvals	CE