



## EJ3104 | 4-channel analog input -10...+10 V, differential input, 16 bit

The EJ3104 analog input processes signals in the range from -10 to +10 V. The voltage is digitised to a resolution of 16 bit, and is transmitted, electrically isolated, to the higher-level automation device. The input channels of the EJ3104 EtherCAT plug-in module are differential inputs.

Technical data	EJ3104
Technology	differential input
Signal voltage	-10...+10 V
Number of inputs	4 (differential)
Supply voltage electronics	via E-bus
Resolution	16 bit (incl. sign)
Internal resistance	> 200 kΩ
Input filter limit frequency	typ. 200 Hz
Common-mode voltage $U_{CM}$	max. 35 V (relative to GND periphery)
Conversion time	~ 100 μs
Measuring error	< ±0.3 % (relative to full scale value)
Electrical isolation	500 V (E-bus/field potential)
Current consumption E-bus	typ. 175 mA
Distributed clocks	yes
Special features	standard and compact process image, switchable measuring data representation, activatable FIR/IIR filters, limit value monitoring
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
Protect. class/installation pos.	IP 20/see documentation
Approvals	CE