



EJ3048 | 8-channel analog input terminal 0...20 mA, single-ended, 12 bit

The EJ3048 analog input processes signals in the range between 0 and 20 mA. The current is digitised to a resolution of 12 bit, and is transmitted, electrically isolated, to the higher-level automation device. The EJ3048 EtherCAT plug-in module combines eight channels in one housing. The signal state of the EJ3048 is indicated by light emitting diodes.

Technical data	EJ3048
Number of inputs	8 (single-ended)
Signal current	0...20 mA
Distributed clocks	–
Internal resistance	typ. 85 Ω
Input filter limit frequency	1 kHz
Supply voltage electronics	via E-bus
Conversion time	1.25 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/field potential)
Current consumption E-bus	typ. 120 mA
Dielectric strength	max. 30 V
Special features	standard and compact process image, activatable FIR/IIR filters, limit value monitoring
Dimensions (W x H x D)	12 mm x 66 mm x 55 mm
Operating/storage temperature	0...+55 °C/-25...+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/see documentation
Approvals	CE