



EJ3108 | 8-channel analog input -10...+10 V, 6 x differential input, 2 x single-ended, 16 bit

The EJ3108 analog input processes signals in the range between -10 and +10 V. The voltage is digitised to a resolution of 16 bits, and is transmitted, electrically isolated, to the higher-level automation device. The eight input channels of the EJ3108 include six differential inputs and two single-ended inputs. The signal state of the EJ3108 is indicated by light emitting diodes.

Technical data	EJ3108
Power supply	via the E-bus
Technology	differential + single-ended
Number of inputs	6 (differential) + 2 (single-ended)
Signal voltage	-10...+10 V
Distributed clocks	–
Internal resistance	differential: typ. 20 MΩ, single-ended: typ. 10 MΩ
Input filter limit frequency	typ. 200 Hz
Conversion time	min. cycle time 1 ms
Resolution	16 bit
Measuring error	< ±0.3 % (relative to full scale value)
Electrical isolation	500 V (E-bus/field potential)
Current consumption E-bus	typ. 300 mA
Special features	switchable measuring data representation, 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