



EJ3202 | 2-channel analog input PT100 (RTD)

The EJ3202 analog input allows resistance sensors to be connected directly. The EtherCAT plug-in module's circuitry can operate 2- and 3-wire sensors. A microprocessor handles linearisation across the whole temperature range, which is freely selectable. The EJ3202's standard settings are: resolution 0.1 °C in the temperature range of PT100 sensors in 3-wire connection. The EtherCAT plug-in modules indicate their signal state by means of light emitting diodes. Sensor malfunctions such as broken wires are indicated by error LEDs.

Technical data	EJ3202
Technology	2-wire
Sensor types	PT100, PT200, PT500, PT1000, Ni100, Ni120, Ni1000 resistance measurement (e.g. potentiometer, 10 Ω...1.2/4 kΩ), KTY sensors (types see documentation)
Number of inputs	2
Measuring range	-200...+850 °C (PT sensors); -60...+250 °C (Ni sensors)
Resolution	0.1 °C per digit
Measuring error	< ±0.5 °C for PT sensors
Input filter limit frequency	typ. 1 kHz
Conversion time	approx. 85 ms default setting, 2...800 ms configurable
Distributed clocks	–
Power supply	via the E-bus
Current consumption E-bus	typ. 165 mA
Electrical isolation	500 V (E-bus/field potential)
Special features	integrated digital filter, limit value monitoring, variable connection technology
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
Approvals	CE