



EJ4002 | 2-channel analog output 0...10 V, 12 bit

The EJ4002 analog output generates signals in the range between 0 and 10 V. The voltage is supplied to the process level with a resolution of 12 bits and is electrically isolated. The output channels of the EtherCAT plug-in module have a common ground potential. The EJ4002 combines two channels in one housing. The output stages are powered by the 24 V supply. The signal state of the EtherCAT plug-in module is indicated by light emitting diodes.

Technical data	EJ4002
Number of outputs	2
Power supply	via the E-bus
Signal voltage	0...10 V
Distributed clocks	yes
Load	> 5 k Ω (short-circuit proof)
Measuring error	< 0.1 % (relative to full scale value)
Output error	< \pm 0.1 % (relative to end value)
Resolution	12 bit
Electrical isolation	500 V (E-bus/signal voltage)
Conversion time	~ 150 μ s
Current consumption periphery	–
Auxiliary power current	typ. 20 mA
Current consumption E-bus	typ. 90 mA
Bit width in the process image	2 x 16 bit AO output
Special features	Optional watchdog: user-specific output value with ramp; user synchronisation can be activated.
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, UL