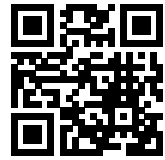# EJ4002 | EtherCAT plug-in module, 2-channel analog output, voltage, 0...10 V, 12 bit

ℹ Product status: Regular delivery

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.

Product information

Technical Data

Technical data	EJ4002
Technology	0...10 V
Power supply	via the E-bus
Number of outputs	2
Signal voltage	0...10 V
Distributed clocks	yes
Load	> 5 kΩ (short-circuit proof)
Measuring error	< 0.1 % (relative to full scale value)
Output error	< ±0.1 % (relative to end value)
Resolution	12 bit
Electrical isolation	500 V (E-bus/signal voltage)

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Conversion time	~ 150 µs
Current consumption periphery	–
Auxiliary power current	typ. 20 mA
Current consumption E-bus	typ. 90 mA
Special features	Optional watchdog: user-specific output value with ramp; user synchronization can be activated.
Dimensions (W x H x D)	approx. 12 mm x 66 mm x 55 mm
Weight	approx. 30 g
Operating/storage temperature	-25...+60 °C/-40...+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/markings	CE, UL

Housing data	EJ-12-16pin
Design form	EtherCAT I/O plug-in module
Material	polycarbonate
Installation	on signal distribution board
Mechanical coding	EJ plug-in module: signal-specific coding pins on the housing, signal distribution board: holes in the printed circuit board
Locking	latching lug in circuit board cut-out
Connection method	field wiring: application-specific wiring level on the signal distribution board, EJ plug-in module: 2 x 20-pin socket strip
Dimensions (W x H x D)	12 mm x 66 mm x 55 mm

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