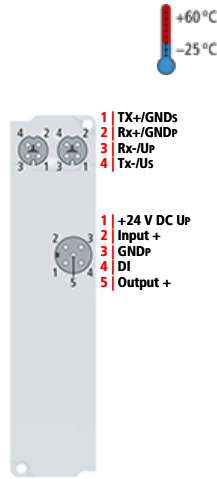


EPP4174-0002



Connector assignment

i EPP4314-1002 | 2-channel analog input + 2-channel analog output $\pm 10/\pm 20$ mA, parameterisable, 16 bit

The EPP4314-1002 EtherCAT P Box combines two analog inputs, two analog outputs and two digital inputs which can be individually parameterised, so that they process/generate signals either in the ± 10 or ± 20 mA range. The resolution for the current and voltage signals is 16 bit (signed).

The voltage or output current is supplied to the process level with a resolution of 15 bit (default), and is electrically isolated. Ground potential for the two output channels is common with the 24 V DC supply. On an M12 there is one digital and one analog input as well as one analog output.

Technical data	EPP4314-1002
Number of channels	2 analog outputs + 2 analog inputs + 2 digital inputs
Number of outputs	2
Number of inputs	2 + 2
Input/output connections	M12, screw type
Signal type	$\pm 10/\pm 20$ mA
Nominal voltage	24 V DC (-15 %/+20 %)
Load	output: > 5 k Ω < 500 Ω
Internal resistance	input: > 200 k Ω typ. 85 Ω + diode voltage
Resolution	16 bit
Conversion time	input: ~ 100 μ s, output: ~ 40 μ s
Measuring error	input: < 0.3 %, output: < 0.1 % (each relative to full scale value)
Power supply connection	not necessary
Electrical isolation	500 V
Current consumption from Us	120 mA
Special features	combi module, current parameterisable per channel
Operating/storage temperature	-25...+60 °C/-40...+85 °C
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 65/66/67 (conforms to EN 60529)/variable
Approvals/markings	CE, UL in preparation

Accessories	
ZK700x-010x-0xxx	Cables for EtherCAT P: Ultra-fast Communication and Power in One Cable
M23, D-Sub	Other field assembly connectors



Product announcement

estimated market release 3rd quarter 2019