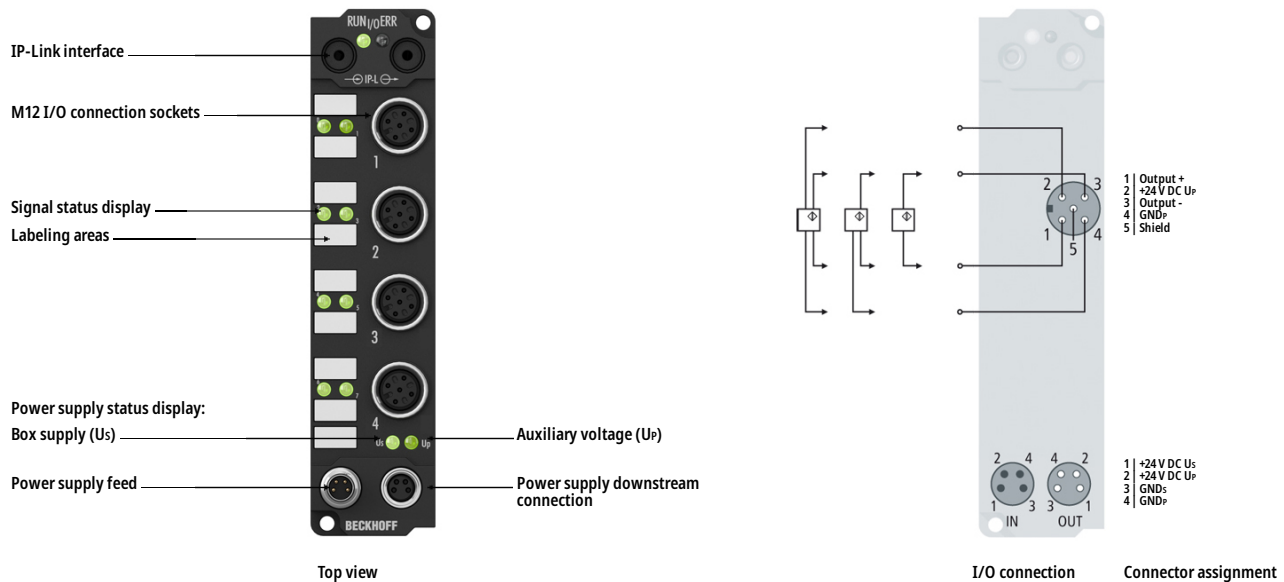


IE4112 | Extension Box, 4-channel analog output, current, 0/4...20 mA, 16 bit, single-ended, M12



i Product status: Regular delivery

The IE4112 analog output module generates analog output signals in the range from 0/4 to 20 mA. The power is supplied to the process level with a resolution of 15 bits (default), and is electrically isolated. If the input is transmitted without an arithmetical sign, 16 bit resolution may also be selected. If necessary, the output scaling can be altered.

Ground potential for the four output channels is common with the 24 V DC supply. The analog actuators are powered by the load voltage. The applied load voltage (which can be any value up to 30 V DC) is fed through to supply the actuators.

Product information

Technical data

Technical data	IE4112
Number of channels	4 analog outputs
Number of outputs	4
Output connections	M12, screw type
Signal current	0/4...20 mA
Nominal voltage	24 V DC (-15 %/+20 %)
Load	< 500 Ω
Resolution	15 bit, configurable to 16 bit
Conversion time	< 4 ms

Measurement error/ uncertainty	< ±0.1 % (relative to full scale value)
Actuator supply	from the auxiliary voltage U _P
Power supply connection	feed: 1 x M8 male socket, 4-pin; downstream connection: 1 x M8 female socket, 4-pin
Bit width in the process image	output: 4 x 16 bit data (4 x 8 bit control/status optional)
Electrical isolation	channels/control voltage: yes, between the channels: no, control voltage/fieldbus: yes, via IP-Link
Current consumption from U _s (without sensor current)	40 mA
Operating/storage temperature	0...+55 °C/-25...+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. rating/installation pos.	IP65/66/67 (conforms to EN 60529)/variable
Approvals/markings	CE, UL

Housing data	Extension Box
Dimensions (W x H x D)	30 mm x 126 mm x 26.5 mm
Material	PA6 (polyamide)
Installation	2 fixing holes 3.5 mm diameter for M3

Accessories

Accessories	
ZK1020-0101-0xxx	pre-assembled IP-Link cable, drag-chain suitable
ZK2000-6100-0xxx	M12, plug, straight, male, 4-pin, A-coded – open end
ZK2000-6162-0xxx	M12, plug, straight, male, 4-pin, A-coded – M12, socket, straight, female, 4-pin, A-coded
ZK2020-3200-0xxx	M8, socket, straight, female, 4-pin – open end
ZK2020-3132-0xxx	M8, plug, straight, male, 4-pin – M8, socket, straight, female, 4-pin
ZS1020-0010	IP-Link plug, 1 piece, plug for IP-Link system
ZS2000-2610	Plug field assembly, Sensor, IP65/67, M12, straight, male, 4-pin, A-coded, 0.14...1.5 mm ² , Ø 4...8 mm
ZS2000-2710	Plug field assembly, Sensor, IP65/67, M12, straight, male, 5-pin, A-coded, 0.25...1.5 mm ² , Ø 4...8 mm
ZS2000-2310	Plug field assembly, Sensor and Power, IP65/67, M8, straight, male, 4-pin, A-coded, 0.14...0.5 mm ² , Ø 4...5.5 mm
ZS2000-2320	Socket field assembly, Sensor and Power, IP65/67, M8, straight, female, 4-pin, A-coded, 0.14...0.5 mm ² , Ø 4...5.5 mm
ZS5300-0011	Mounting plate for 14 small or 7 wide EtherCAT-/ EtherCAT P box modules, stainless steel, 500 mm x 130 mm x 1.5 mm
ZS5000-0014	blanking plug, plastic (IP65/67), for M8 socket, green, packaging unit = 50 pieces
ZS5000-0020	blanking plug, plastic (IP67), for M12 socket, packaging unit = 50 pieces

ZB8801-0000	torque wrench for hexagonal plugs, adjustable
ZB8801-0001	torque cable key, M8/wrench size 9, for ZB8801-0000
ZB8801-0002	torque cable key, M12/wrench size 13, for ZB8801-0000