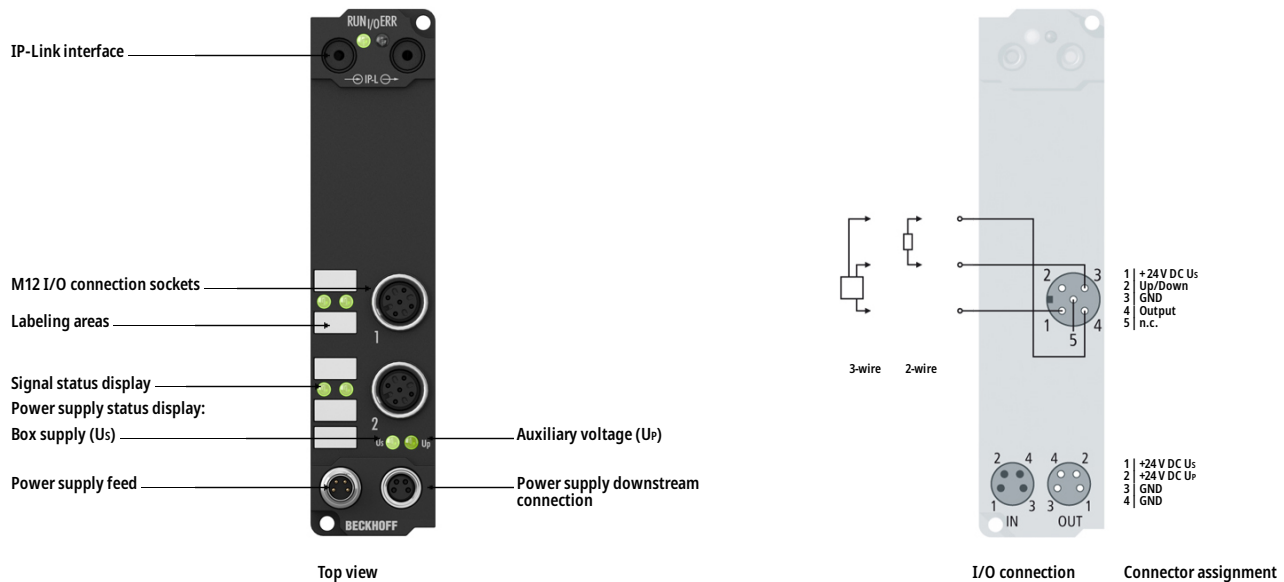
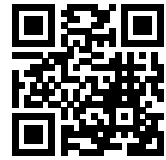


IE2512 | Extension Box, 2-channel PWM output, 24 V DC, 2.5 A, M12



i Product status: Regular delivery

The outputs of the IE2512 module provide a pulse width modulated version of a binary signal. The keying ratio is prescribed by a 10 bit value from the automation unit. The output is protected against overload and short circuit. In addition to the PWM operating mode, the outputs can also be frequency modulated or used to control stepper motors with specified pulses and direction. The module contains two channels that indicate their state by means of light emitting diodes. The LEDs are driven in time with the outputs and show the keying ratio by their brightness.

Product information

Technical data

Technical data	IE2512
Number of outputs	2
Output connections	M12, screw type
Load type	ohmic, inductive
Nominal output voltage	24 V DC (-15 %/+20 %)
Max. output current	2.5 A per channel, individually short-circuit proof
Current consumption from Us (without sensor current)	25 mA
Up/down channel	24 V DC, 0.5 A, short-circuit proof
Base frequency	8 Hz...40 kHz, default: 250 Hz

Duty factor	0...100 % (T _{ON} > 750 ns, T _{OFF} > 500 ns)
Resolution	max. 10 bit
Freewheeling diode (output)	yes
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	48 inputs/outputs: 2 x 16 bit data, 2 x 8 bit control/status
Electrical isolation	channels/control voltage: no, between the channels: no, control voltage/fieldbus: yes, via IP-Link
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
