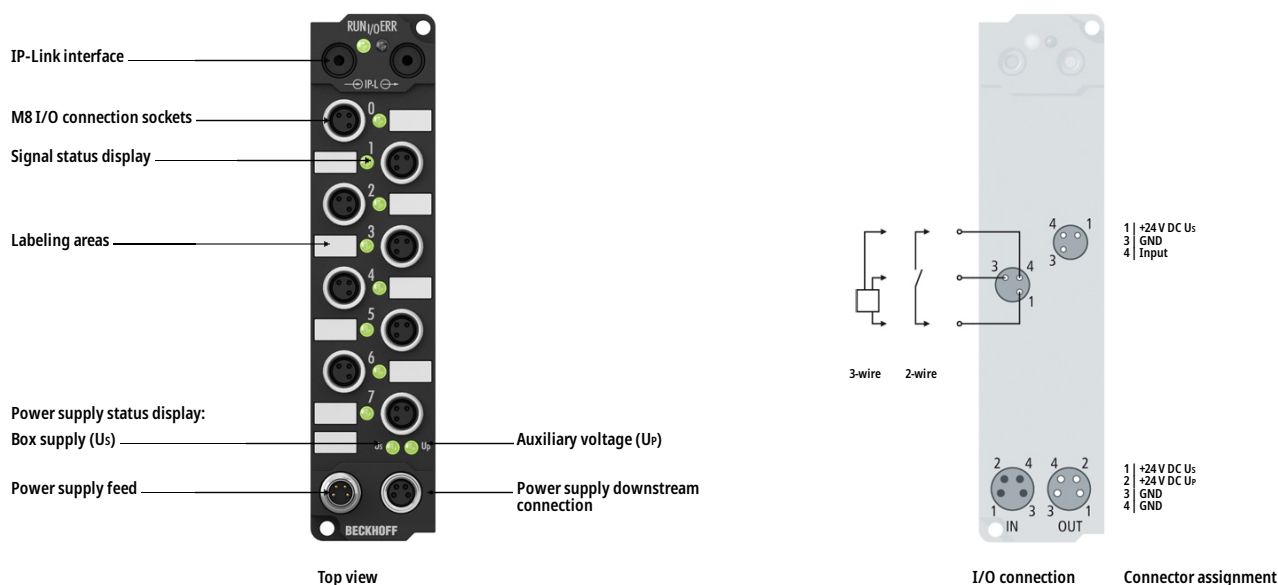


# IE1001 | Extension Box, 8-channel digital input, 24 V DC, 3 ms, M8



**i Product status:** Regular delivery

The IE1001 digital input module acquires the binary control signals from the process level and transmits them to the higher-level automation unit. The input filter is 3.0 ms. The state of the signals is indicated by light emitting diodes. The signals are connected via M8 screw type connectors.

The sensors are supplied from the box supply voltage  $U_s$ . The auxiliary voltage  $U_p$  is not used in the input module, but may be connected in order to be relayed downstream.

## Product information

### Technical data

Technical data	IE1001
Number of inputs	8
Input connections	M8, screw type
Nominal input voltage	24 V DC (-15 %/+20 %)
Input filter	3.0 ms
"0" signal voltage	-3...+5 V (EN 61131-2, type 2)
"1" signal voltage	11...30 V (EN 61131-2, type 2)
Input current	typ. 6 mA (EN 61131-2, type 2)
Sensor supply	from control voltage, max. 0.5 A, short-circuit proof in total

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	8 inputs
Current consumption from Us (without sensor current)	25 mA
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
ZK2000-2100-0xxx	M8, plug, straight, male, 3-pin – open end
ZK2000-2122-0xxx	M8, plug, straight, male, 3-pin – M8, socket, straight, female, 3-pin
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
ZS2000-2210	Plug field assembly, Sensor, IP65/67, M8, straight, male, 3-pin, A-coded, 0.14...0.5 mm <sup>2</sup> , Ø 4...5.5 mm
ZS2000-1213	Plug field assembly, Sensor, IP67, M8, straight, male, 3-pin, A-coded, 0.14...0.34 mm <sup>2</sup> , Ø 3.5...5 mm
ZS2000-2310	Plug field assembly, Sensor and Power, IP65/67, M8, straight, male, 4-pin, A-coded, 0.14...0.5 mm <sup>2</sup> , 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 <sup>2</sup> , 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	blinking plug, plastic (IP65/67), for M8 socket, green, packaging unit = 50 pieces
ZS5000-0010	blinking plug, plastic (IP67), for M8 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