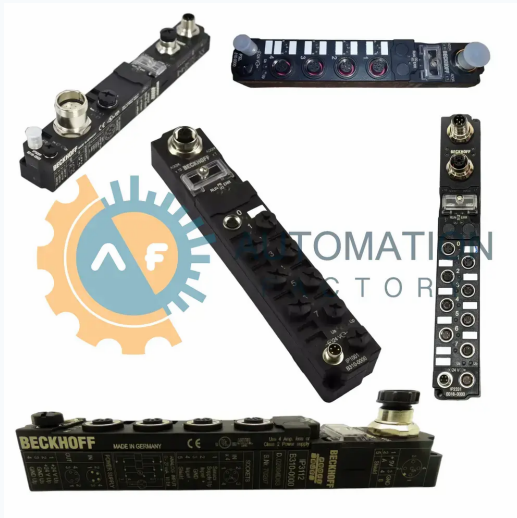


Beckhoff — IP Compact Box Units

IP2001-B318-0000

 **In-Stock, Ships Today**

- ☒ Get a Quote in 5 minutes
- ☒ Parts ship in as little as 24 hours
- ☒ Up to half the cost of the manufacturer

**Secure Online**
Checkout**Free Ground**
Shipping**One Year**
Warranty

The **IP2001-B318-0000** is a decentralized digital output box manufactured by Beckhoff within the IP Compact Box Units series. The unit brings eight 24 V switching channels directly to the machine, allowing actuators to be wired in the field while remaining under PLC control. Encapsulated electronics and sealed connectors allow the module to be mounted on tooling, conveyors, or gantries where cabinet space is limited and rapid installation is required in industrial automation.

Communication with the control system takes place over **PROFIBUS**, and the bus line passes through an **integrated T-connector** built into the housing, so no separate coupler is required. All circuitry is powered from a single **24 VDC** supply delivered through a four-pin M8 power feed. Each output can source up to **0.5 A per channel**, while the internal electronics draw only 20 mA per point, keeping heat dissipation low. The module exchanges an **8-bit output process image** with the controller, enabling byte-aligned channel mapping. **Galvanic separation between the fieldbus and power circuits** protects the controller from ground potential shifts, while reverse-polarity protection helps prevent damage if the supply is wired incorrectly.

The outputs terminate at compact **M8 screw-in sockets** and are individually identified by status LEDs. These connections support quick-connect sensor-actuator cabling and simplify field wiring for valve manifolds or small solenoid clusters. The enclosure has an **IP65/IP66/IP67 protection rating**, allowing exposure to dust, cutting fluids, and washdown spray in open machines. If a short circuit occurs, the integrated protection circuitry limits the fault current to **1.5 A**, isolates the affected channel, and reports the error through bus diagnostics. This response

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

prevents a channel fault from causing the entire supply to collapse and allows the remaining outputs to continue operating when permitted by the control system.

Specifications

Bus Connection:	Integrated Tee-Connector	Control/fieldbus Isolation:	Yes	Data Transfer Rate:	Automatic detection up to 12 Mbaud
Dimensions:	30 mm x 210 mm x 26.5 mm	Emc Compliance:	Conforms to EN 61000-6-2/EN 61000-6-4	Fieldbus:	PROFIBUS
Fieldbus Interface:	1 x M12 socket, 5-pin, B-coded; 1 x M12 plug, 5-pin	Installation Position:	Variable	Inverse Connection Protection:	Yes
Load Current Consumption:	20 mA/Channel	Load Type:	Ohmic, inductive, lamp load	Material:	PA6 (Polyamide)
Maximum Output Current:	0.5 A per channel, individually short-circuit proof	Nominal Output Voltage:	24 V DC (-15%/+20%)	Nominal Voltage:	24 VDC
Number Of Outputs:	8	Operating Temperature:	0...55°C	Output Connection:	M8 Screw-In
Output Connections:	M8, screw type	Output Current:	0.5 A/Channel	Power Feed:	1 x M8 Connector, 4-Pin
Process Image:	8 Bits Output	Protection Class:	IP65/IP66/IP67	Protection Rating:	IP65/66/67 (according to EN 60529)
Sensor Supply Current:	0.5 A/Channel	Short-circuit Current:	1.5 A	Status Indication:	LEDs
Storage Temperature:	-25...+85°C	Last Verified:	10/24/2026 3:35 PM		

Contact Us

-  1620 Old Apex Road, Cary, NC 27513, USA
-  **Toll Free:** [1-888-551-3082](tel:1-888-551-3082)
-  **International:** [1-919-443-0207](tel:1-919-443-0207)
-  **Fax:** [1-919-867-6204](tel:1-919-867-6204)
-  **Email:** sales@wakeindustrial.com

Shipping Options



Payment Methods



Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.