

Beckhoff — EJ EtherCAT Plugins

EJ9404

 **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 **EJ9404** is a power-distribution plug-in produced by **Beckhoff** within the EJ EtherCAT Plugins series. Designed to inject auxiliary power into the EtherCAT backplane on a machine-specific signal distribution board, the unit supplies additional power to connected electronic terminals. By stabilizing the voltage rail for downstream devices, the module supports reliable fieldbus communication and consistent sensor and actuator operation in distributed industrial automation cabinets.

The plug-in can deliver up to **12 A** of continuous E-bus current, which is the maximum load it can share among connected I/O slices without overheating the copper planes. The internal regulator maintains the E-bus potential at **3.3 V**, matching the logic level required by neighboring EtherCAT devices. This rail uses a single **common ground** as its reference point, simplifying board layout and noise management. The incoming supply must meet **SELV/PELV requirements**, allowing the module to operate from a safety extra-low-voltage or protective extra-low-voltage source without additional isolation hardware. Its assigned module function is an **additional E-bus supply**, so it reinforces the power rail rather than forwarding data between terminals.

The housing clips onto the designated **signal distribution board** section while maintaining the bus pitch and keying used by other EJ plug-ins. The device supports a **standard mounting position**, allowing vertical or horizontal installation without derating. A front-edge pin supports an **optional reset line** that momentarily disconnects the E-bus when triggered. This reset input can be used for brownout testing or controlled restart sequences during system setup and maintenance. The compact housing is 12 mm wide, allowing the module to fit

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.

into densely arranged signal distribution assemblies without requiring additional board space.

Specifications

Contact Form:	SPST-NO (Single Pole Single Throw - Normally Open)	Control Voltage:	4-32 VDC	E-bus Current:	12 A
E-bus Gnd:	Common	E-bus Voltage:	3.3 V	Input Current:	7mA (typical at 5 VDC)
Installation Position:	Standard	Isolation Voltage:	4000 Vrms	Maximum Load Current:	3A
Module Function:	Additional E-Bus Supply	Mounting:	Signal Distribution Board	Mounting Type:	PCB Mount
On-state Voltage Drop:	1.6V (maximum)	Operate Time:	10 ms (maximum)	Operating Temperature:	-30°C to +80°C
Package/case:	DIP	Rated Load Voltage:	240 VAC	Release Time:	10 ms (maximum)
Reset Function:	Optional	Supply Type:	SELV/PELV	Type:	Solid-state relay
Last Verified:	10/24/2026 2:33 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.