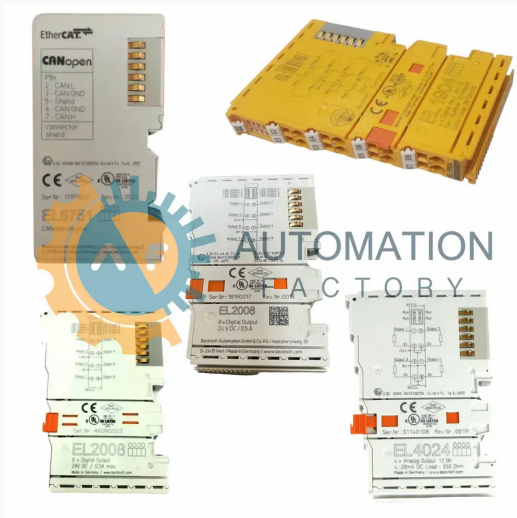




Beckhoff — EL EtherCAT Terminals

EL4034



 **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 **EL4034** is a four-channel analog output terminal produced by Beckhoff for the EL EtherCAT Terminals series. As an EtherCAT node, it converts digital command words from a controller into standard voltage signals for actuators or transducers in distributed automation cells. The module mounts on a DIN rail beside other EL terminals and exchanges data through the internal bus, allowing compact, slice-based I/O aggregation. This arrangement lets the terminal operate alongside other analog and digital modules without requiring a separate network connection for each device.

Each channel is driven from the system power rail of **24 VDC**, and the converter provides **12-bit resolution**, so the smallest increment equals one part in 4,096 of the selected span. The terminal occupies a controller image size of **4 × 16-bit words**, providing one data word for each output channel. Its enclosure has an **IP20** protection rating and is intended for installation inside a suitable control cabinet. Mechanical installation uses a **35 mm** rail that complies with EN 60715, and the four outputs share a common ground reference that simplifies wiring for voltage-driven devices. Multiplex sampling updates the channels sequentially and avoids the switching current associated with updating all outputs simultaneously.

The ground pin can source or sink up to **500 mA**, supporting connected devices that require a local ground reference. Operation is permitted at ambient humidity levels up to **95%** without condensation. Power for the internal logic is supplied through the **E-bus**, eliminating the need for separate logic supply wiring at the terminal. Time-critical applications benefit from integrated **Distributed Clocks** support, which enables sub-microsecond

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.

alignment of output events across multiple EtherCAT terminals. The outputs are single-ended and resistant to short circuits. The module also provides diagnostic bits when it detects an overload, allowing the controller to identify an output fault through process data.

Specifications

Analog Output Resolution:	12 bit	Analog Outputs:	4 channels	Conversion Time:	~250 µs
Current Consumption (E-bus):	typ. 140 mA	Current Consumption (Power Contacts):	typ. 40 mA	Distributed Clock Precision:	<1 µs
Distributed Clock Support:	Yes	Distributed Clocks:	Yes	Electronics Supply:	E-bus
Ground Pin Capacity:	500 mA	Ground Reference:	Single Ended	Load Impedance:	>5 k?, short-circuit proof
Max Relative Humidity:	95%	Mounting Rail:	35 mm	Mounting Standard:	EN 60715
Number Of Outputs:	4	Output Accuracy:	<0.1% of end value	Output Ground:	Common
Power Supply:	24 VDC	Process Image Bit Width:	4 x 16 bit	Process Image Width:	4 x 16-bit
Protection Class:	IP20	Resolution:	12 bit	Sampling Type:	Multiplex
Short-circuit Proof:	Yes	Signal Voltage Range:	-10 to +10 V	User Synchronization:	Optional
Watchdog Feature:	Optional, user-defined output ramp	Weight:	approx. 85 g	Last Verified:	10/24/2026 8:45 AM

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.