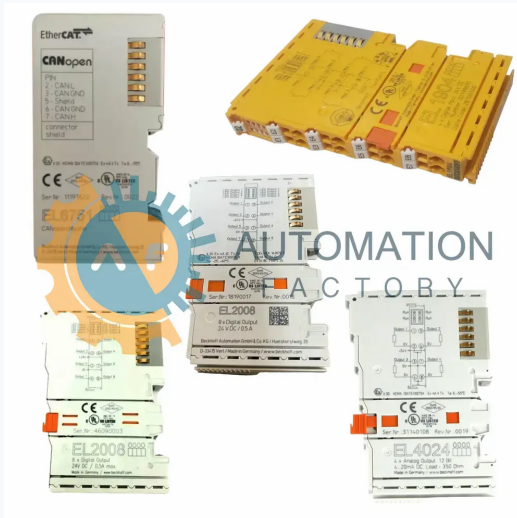


Beckhoff — EL EtherCAT Terminals

EL9550



 **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 **EL9550** is a supply and filter terminal developed by Beckhoff for the EL EtherCAT Terminals series. In an automation cabinet, it replenishes 24 V direct-current power at an EtherCAT I/O segment to support downstream sensors and actuators. Integrated supply filtering shields the bus from conducted noise that could interfere with connected equipment.

The terminal operates at a nominal system voltage of **24 V DC** and can carry a maximum field current of **10 A**, providing enough capacity for sizable valve banks or stepper controllers on the same rail. The spring-cage contacts provide **eight terminal points**, allowing separate loads and return paths to be wired without external distribution blocks. The housing meets the **IP20** protection class, making it suitable for enclosed control cabinets where protection against direct contact is required. Mechanical fastening follows the **35 mm EN 60715** mounting rail profile, allowing the terminal to snap onto a standard DIN rail in any available slot. A built-in field supply filter attenuates conducted noise before it reaches adjacent I/O modules, while a parallel system supply filter performs the same function for the logic bus.

The design includes an **enhanced load capacity** that helps prevent voltage drops when several outputs switch simultaneously during mixed-duty machine cycles. Its **renewed 24 V infeed** capability allows fresh power to be introduced at strategic points along long terminal chains. Compliance with **EN 61000-6-2** and **EN 61000-6-4** supports electromagnetic immunity and controlled emissions in industrial environments. Shock and vibration resistance follow **EN 60068-2-6** and **EN 60068-2-27**, allowing the housing to withstand panel resonance and

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.

transport stresses. The installation position is variable, so the device can be mounted horizontally or vertically without derating. Its electromagnetic compatibility and vibration performance remain valid in either orientation.

Specifications

Approvals/markings:	CE, CCC, UL, ATEX, IECEx, cFMus	Emc Immunity/emission:	conforms to EN 61000-6-2/EN 61000-6-4	Emc Resistance:	EN 61000-6-2 / EN 61000-6-4
Enhanced Load Capacity:	Yes	Field Supply Filter:	Yes	Installation Position:	Variable
Mounting Rail:	35 mm EN 60715	Nominal Voltage:	24 VDC	Operating Temperature:	-25...+60°C
Overvoltage Protection:	Integrated Overvoltage Protection	Pluggable Wiring:	For all ESxxxx terminals	Power Consumption:	<= 1 W
Protection Class:	IP20	Protection Rating/installation Position:	IP20/variable	Rated Current Field Supply:	<= 10 A
Rated Current System Supply:	<= 1.5 A	Rated Field Current:	10 A Max	Renewed Infeed:	Yes
Storage Temperature:	-40...+85°C	Surge Filter Field Supply:	Yes	Surge Filter System Supply:	Yes
System Supply Filter:	Yes	Terminal Points:	8	Vibration Resistance:	EN 60068-2-6 / EN 60068-2-27
Vibration/shock Resistance:	conforms to EN 60068-2-6/EN 60068-2-27	Weight:	approx. 50 g	Last Verified:	10/24/2026 4:27 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.