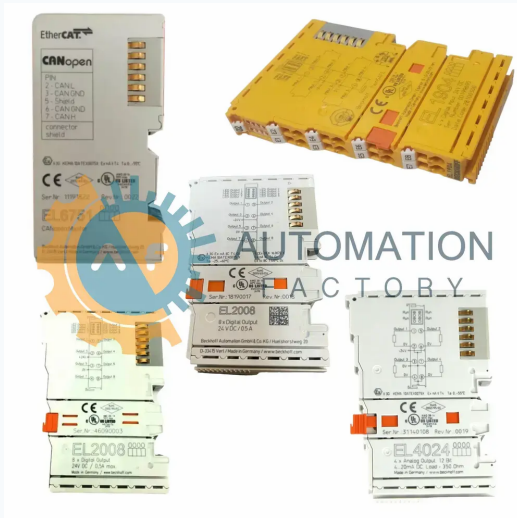




Beckhoff — EL EtherCAT Terminals

EL9187



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The **EL9187** is a power distribution terminal manufactured by Beckhoff and offered within the EL EtherCAT Terminals series. As an interface element, this terminal routes the common 0 V potential to downstream I/O modules so that field devices share a consistent reference. Installed on the same EtherCAT backplane as signal terminals, it simplifies wiring inside control cabinets and supports modular expansion in industrial automation systems.

This terminal carries up to **10 A** on each internal supply rail, enabling multiple low-power sensors or actuators to draw current without external distribution blocks. It tolerates supply levels of **60 VDC** or **30 VAC**, which covers typical 24 V logic voltages as well as auxiliary AC control circuits. The terminal provides **8 additional power contacts** that duplicate the feed, allowing neighboring terminals to receive the same potential without separate jumpers. The housing snaps onto a **35 mm DIN rail**, a standard profile in North American and European control panels. Its enclosure meets the **IP20** protection class, helping prevent accidental finger contact with live components when the terminal is installed inside a closed cabinet.

The terminal occupies no logical space in the EtherCAT process image, so its process data width is **0 bits**. This arrangement lets the controller address downstream modules without requiring additional process-image memory for the distribution terminal. All outgoing conductors are tied to a single **negative power contact**, matching wiring arrangements in which the positive line is routed separately through fused terminals. The terminal has an **enhanced mechanical design** that supports greater resistance to vibration and shock than standard signal

terminals when installed in an approved variable position. Its eight 0 V connections do not include protective-earth pass-through, allowing the EL9187 to function as a common 0 V distribution point while maintaining short return paths across the terminal segment.

Specifications

Additional Power Contact Connections:	8	Additional Power Contacts:	8	Approvals/Markings:	CE, CCC, UL, ATEX, IECEx
ATEX Ex Marking:	II 3 G Ex ec IIC T4 Gc	Current Load:	<= 10 A	Housing Width:	12 mm
IECEx Ex Marking:	Ex ec IIC T4 Gc	Installation Position:	Variable	Max Ac Voltage:	30 VAC
Max Current Load:	10 A	Max Dc Voltage:	60 VDC	Mechanical Load Capacity:	Enhanced
Mounting Rail:	35 mm DIN Rail	Nominal Voltage:	<= 60 V DC / <= 30 V AC	Number of Outputs:	8 x 0 V contacts
Operating Temperature:	-25 to +60 °C	Output Connection:	Negative Power Contact	Outputs:	8 x 0 V Contact
Pe Contact:	No	Power Consumption:	<= 1 W	Process Image Width:	0 Bit
Protection Class:	IP20	Shock & Vibration Test:	IEC 60068-2-27	Side-by-side Mounting Position:	Left side only (no PE)
Storage Temperature:	-40 to +85 °C	Terminal Points:	8	Weight:	~50 g
Wiring Compatibility:	Pluggable for ESxxxx terminals	Last Verified:	10/23/2026 12:28 PM		

Contact Us

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