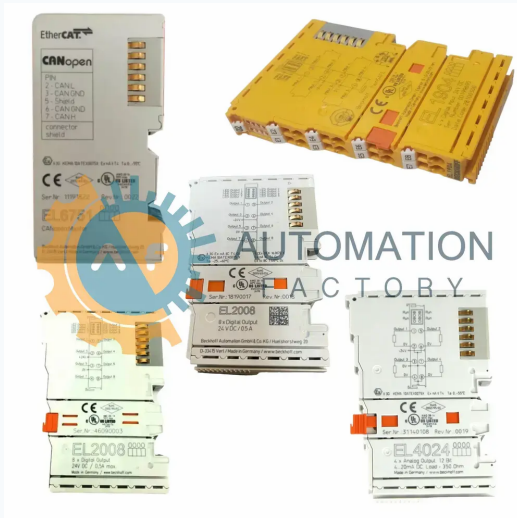




Beckhoff — EL EtherCAT Terminals

EL9184



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The **EL9184** is a power supply terminal manufactured by Beckhoff as part of the EL EtherCAT Terminals series. The module routes low-voltage DC power along the EtherCAT backplane so adjacent I/O slices and peripheral devices receive a consistent operating voltage. Its 12 mm housing follows the standard EL profile, allowing the unit to sit flush beside analog, digital, or motion terminals without increasing the overall node width. By eliminating separate feed-through blocks, the component reduces wiring requirements in compact machine panels where multiple consumers share a common control supply.

This terminal provides **16 connection points** organized as two electrically isolated banks that separate the incoming supply from outgoing loads. Wiring is performed with a **direct plug-in and screwdriver-operated spring mechanism**, so conductors lock in place without torque-controlled screws. The cage accepts **solid, stranded, or ferruled conductors** in cross-sectional sizes commonly used in control cabinets. Each channel can carry a maximum current of **10 A**, providing sufficient capacity for applications such as valve clusters, light curtains, or sensor groups. The power rail supports a maximum bus potential of **60 VDC**, covering the 24 V and 48 V systems used throughout industrial machinery. Internal copper bars minimize voltage drop and help distributed currents remain within the permitted limits.

The housing clips onto a **35 mm mounting rail**, and its retention latch supports a **variable installation position** so the terminal can be mounted horizontally or vertically. For downstream connections, the unit provides **8 additional power contact taps** that can be bridged to neighboring EL terminals, and the taps are arranged as two

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groups of eight outputs to keep common returns compact. The **IP20** enclosure protects against contact with hazardous internal parts but requires installation inside a closed cabinet, while the absence of a protective earth contact means that protective earth wiring must be handled elsewhere on the rail.

Specifications

Additional power contact connections:	8	Additional Power Contact Taps:	8	Approvals/Markings:	CE, CCC, UL, ATEX, IECEx
ATEX Ex marking:	II 3 G Ex ec IIC T4 Gc	Conductor Types:	Solid, Stranded, Ferrule	Connection Method:	Direct Plug-In / Screwdriver Spring
Connection Points:	16	Current load:	<= 10 A	Housing width:	12 mm
IECEx Ex marking:	Ex ec IIC T4 Gc	Installation Position:	Variable	Mounting Rail:	35 mm
Nominal voltage:	<= 60 VDC	Operating temperature:	-25 to +60 °C	Output Groups:	2 x 8
Outputs:	8 x 24 V, 8 x 0 V contacts	Pe Contact:	No	Protection Class:	IP20
Side-by-side mounting:	Left side, without PE	Special features:	Direct plug-in technique	Storage temperature:	-40 to +85 °C
Weight:	Approx. 60 g	Last Verified:	10/24/2026 2:04 PM		

Contact Us

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