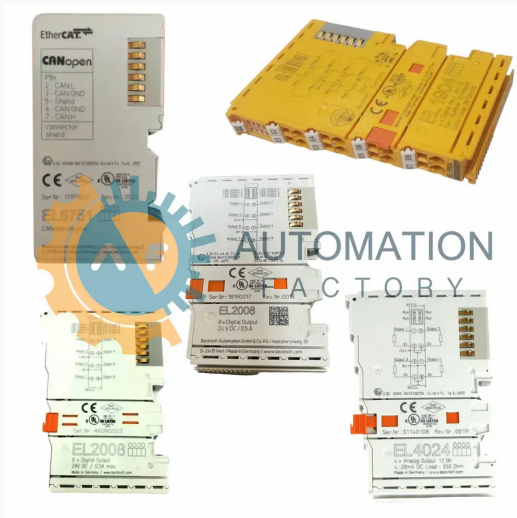




Beckhoff — EL EtherCAT Terminals

EL9189



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The **EL9189** is a power distribution EtherCAT terminal from Beckhoff in the EL EtherCAT Terminals series. It distributes system supply and reference lines to neighboring I/O slices, simplifying wiring inside control cabinets. When installed beside analog or digital modules, the terminal feeds low-voltage loads while preserving the deterministic timing required in industrial automation systems.

The terminal carries a continuous current of = **10 A**, allowing several peripheral terminals to draw power without an external distribution block. Its permissible supply voltage is = **60 VDC**, making the module suitable for the 24 V and 48 V control circuits commonly used in machinery. The terminal provides **16 feed-through connections** that divide the supply among connected conductors. Internal copper bars with enhanced load capacity help minimize voltage drop across the distribution path. Despite its branching function, the enclosure is only **12 mm** wide and locks onto a **35 mm** DIN rail for standard cabinet mounting. Solid, stranded, and ferruled conductors are supported, allowing the terminal to accommodate common control-cabinet wiring. Each channel passes the incoming 0 V reference potential, while the absence of a PE contact prevents unintended protective-earth loops.

The **IP20** protection rating makes the terminal suitable for enclosed panels where protection from accidental finger contact and solid debris is required, but water sealing is unnecessary. It supports a **variable installation position**, allowing horizontal or vertical orientation without derating. Solid conductors use the **Direct Plug-In** technique, enabling them to be inserted without separate tool operation. Multi-strand conductors are secured by a **Spring Actuation** clamp that provides a vibration-resistant termination. Ferrules can be used to preserve strand integrity

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and simplify insertion when flexible wiring is required. These connection methods support orderly field wiring while keeping the terminal compact enough for densely populated control cabinets.

Specifications

Approvals/markings:	CE, CCC, UL, ATEX, IECEx	Conductor Types:	Solid, Stranded, Ferrule	Connection Facility To Additional Power Contact:	16
Current Load:	<= 10 A	Enhanced Load Capacity:	Yes	Ex Marking:	ATEX: II 3 G Ex ec IIC T4 Gc; IECEx: Ex ec IIC T4 Gc
Housing Width:	12 mm	Installation Position:	Variable	Mounting Rail:	35 mm
Mounting Type:	DIN Rail Mounting	Nominal Voltage:	<= 60 VDC	Number Of Outputs:	16 x 0 V contact
Operating Temperature:	-25...+60°C	Output Potential:	0 V	Pe Contact:	No
Protection:	Integrated Short Circuit Protection	Protection Class:	IP20	Side By Side Mounting With Power Contact:	Yes, left without PE
Solid Wire Connection:	Direct Plug-In	Special Features:	Direct plug-in technique	Storage Temperature:	-40...+85°C
Stranded Wire Connection:	Spring Actuation	Terminal Block Width:	12 mm	Terminal Points:	16
Weight:	Approx. 60 g	Last Verified:	10/23/2026 2:37 AM		

Contact Us

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