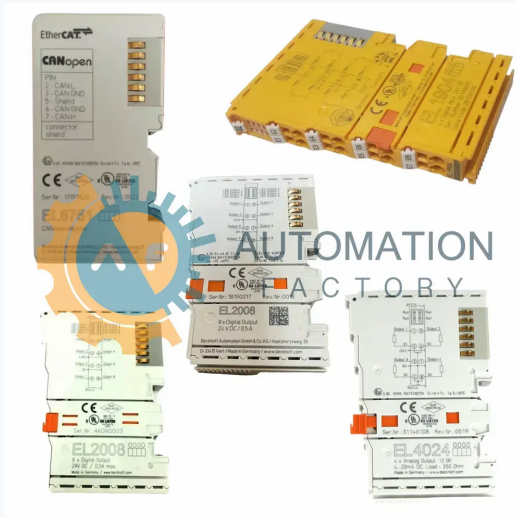


Beckhoff — EL EtherCAT Terminals

EL9183



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The **EL9183** is a feed-through power distribution terminal produced by Beckhoff within the EL EtherCAT Terminals series. In an automation rack, it provides auxiliary voltage routing alongside the fieldbus, supplying downstream modules without adding extra I/O channels. By combining power conductors and the EtherCAT E-bus in one module, the unit simplifies low-voltage power management across distributed control cabinets. The terminal is intended for 24-48 VDC subsystems, motor brakes, and sensor clusters that draw current directly from the backplane.

The housing has a width of **12 mm**, so multiple terminals fit side by side without exceeding standard card spacing. Copper bars inside the block tolerate a continuous load of **10 A**, supporting circuits with greater current requirements. It attaches directly to a DIN rail with a width of **35 mm** through a snap-on mounting mechanism. Supply conductors may carry a nominal potential of = **60 VDC**, which is permitted for protective extra-low-voltage circuits. The enclosure has an **IP20** protection rating, helping prevent accidental contact when the terminal is installed inside a closed control enclosure.

The terminal provides **16** feed-through points that are internally linked to form a single potential group. It has **2 power contacts** that carry load current directly to the next module, supporting power-contact pass-through without a protective earth pin. The terminal contributes no user data because its process image width is **0 bit**. Fieldbus continuity is maintained through the **E-bus pass-through**, allowing EtherCAT communication and timing signals to continue through the terminal. The power contacts and signal conductors maintain separate potentials. The design does not include a protective earth contact, making it suitable for applications that isolate auxiliary

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voltage from chassis ground.

Specifications

Current load:	max. 10 A	E-bus Pass-through:	Yes	Electrical isolation:	500 V (E-bus/field potential)
Enhanced Load Capacity:	Yes	Housing Width:	12 mm	Max Current Load:	10 A
Mounting Rail Width:	35 mm	Nominal voltage:	<= 60 VDC	Operating temperature:	-25...+60°C
Pe Contact:	No	Power Contact Count:	2	Power Contact Pass-through:	Yes
Process Image Width:	0 bit	Protection Class:	IP20	Protection rating:	IP20
Relative humidity:	95%, no condensation	Separate Potentials:	1	Special features:	16-way bridge
Storage temperature:	-40...+85°C	Stripping length:	8...9 mm	Terminal Point Linking:	1-16 Internally Connected
Terminal Points:	16	Terminal points per potential:	16	Vibration/shock resistance:	Conforms to EN 60068-2-6 / EN 60068-2-27
Weight:	approx. 60 g	Last Verified:	10/24/2026 5:12 AM		

Contact Us

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Shipping Options



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