

# EL6751 | EtherCAT Terminal, 1-channel communication interface, CANopen, master/slave

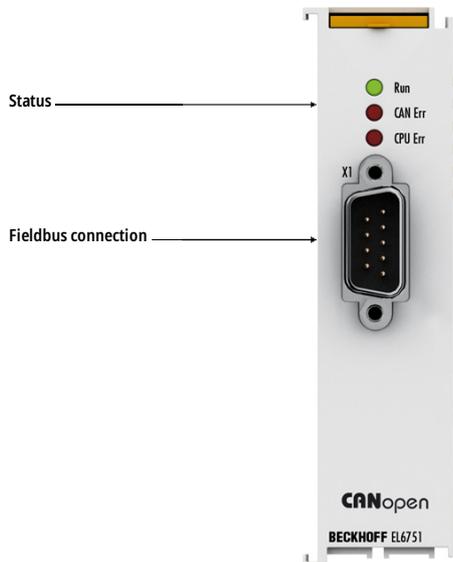


 Image similar, may contain optional accessories

**i** **Product status:** regular delivery

The Terminal enables within an EtherCAT Terminal network the integration of any CANopen devices and can be used as a master. In addition, general CAN messages can be sent or received – without having to bother with CAN frames in the applications program. The terminal has a powerful protocol implementation with many features:

- All CANopen PDO communication types are supported: event driven, time driven (using an event timer), synchronous, polling.
- synchronization with the PC controller's task cycle
- SYNC cycle with quartz precision for drive synchronization, zero cumulative jitter
- parameter communication (SDO) at start-up and when running
- emergency message handling, guarding and heartbeat
- powerful parameter and diagnostics interfaces
- online bus load display
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Like the FC5101 CANopen PCI™ card, the EL6751 can be used for connection to CANopen networks. The terminal, however, enables a more space-saving implementation since no PCI™ slots are required in the Industrial PC.

## Product information

### Technical data

Technical data

EL6751

Technology	CANopen master/slave terminal
Number of channels	1
Fieldbus	CANopen
Data transfer rates	10, 20, 50, 100, 125, 250, 500, 800, 1000 kbaud
Interfaces	D-sub connector, 9-pin according to CANopen specification, galvanically decoupled
Communication	CANopen network master and CANopen manager, optionally CANopen slave
Hardware diagnostics	status LEDs
Current consumption E-bus	typ. 230 mA
Special features	status LEDs, CANopen network master, CANopen Manager, supports RAW-CAN
Weight	approx. 70 g
Operating temperature	-25...+60°C
Storage temperature	-40...+85°C
Relative humidity	95%, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. rating/installation pos.	IP20/variable
Approvals/markings	CE, CCC, UL, ATEX, IECEx, DNV
Ex marking	ATEX: II 3 G Ex ec IIC T4 Gc IECEx: Ex ec IIC T4 Gc

<b>Housing data</b>	<b>EL-24</b>
Design form	compact terminal housing with signal LEDs
Material	polycarbonate
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock
Side by side mounting by means of	double slot and key connection
Marking	-
Wiring	specific push-in connection
Dimensions (W x H x D)	24 mm x 100 mm x 52 mm