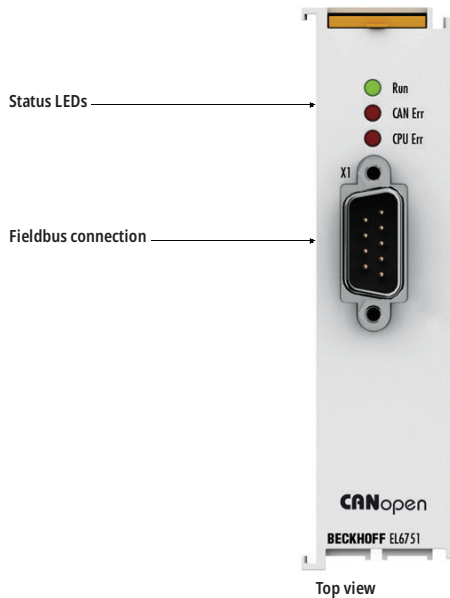


EL6751 | EtherCAT Terminal, 1-channel communication interface, CANopen, master/slave



i **Product status:** regular delivery

The Terminal enables within an EtherCAT Terminal network the integration of any CANopen devices and can either be master (EL6751) or slave (EL6751-0010). 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

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	EL6751-0010
Technology	CANopen master terminal	CANopen slave terminal
Fieldbus	CANopen	

Number of fieldbus channels	1	
Data transfer rates	10, 20, 50, 100, 125, 250, 500, 800, 1000 kbaud	
Communication	CANopen network master and CANopen manager, optionally CANopen slave	
Interfaces	D-sub connector, 9-pin according to CANopen specification, galvanically decoupled	
Hardware diagnostics	status LEDs	
Current consumption E-bus	typ. 230 mA	
Special features	status LEDs, CANopen network master, CANopen Manager, supports RAW-CAN	status LEDs, CANopen slave
Weight	approx. 70 g	
Operating/storage temperature	-25...+60 °C/-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, UL, ATEX, IECEx	
Ex marking	ATEX: II 3 G Ex nA IIC T4 Gc IECEx: Ex ec IIC T4 Gc	

Housing data	EL-24
Design form	compact terminal housing with signal LEDs
Material	polycarbonate
Dimensions (W x H x D)	24 mm x 100 mm x 52 mm
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