EL2828

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	el2828
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Connection Technology	2-wire
Number of Outputs	8 channels
Nominal Voltage	24 V DC
Max. Output Current per Channel	2 A
Total Max. Output Current	10 A
Load Types Supported	ohmic, inductive, capacitive
Protection Features	overload, short circuit, reverse polarity
Connection Method	tool-free direct plug-in for solid wire conductors
Operating Temperature Range	-25°C to +60°C
Dimensions	12 mm x 100 mm x 68 mm

Description

The Beckhoff EL2828 is an EtherCAT Terminal designed to interface 24 V DC control signals from automation devices to actuators at the process level, providing electrical isolation. This terminal features eight channels, each with an LED indicator to display its signal state.

The outputs are supplied via the 24 V DC power contact, and the power contacts are looped through. The EL2828 is suitable for controlling various load types, including ohmic, inductive, and capacitive loads.

Each channel can handle a maximum output current of 2 A, with a total maximum of 10 A across all channels. The terminal offers protection against overloads, short circuits, and reverse polarity,

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ensuring reliable operation in demanding industrial environments.

It also supports tool-free connection for solid wire conductors using direct plug-in technology. The EL2828 operates within a temperature range of -25°C to +60°C and has a compact design, measuring approximately 12 mm in width, 100 mm in height, and 68 mm in depth, making it suitable for installations where space is limited.