55532

Industrial automation components

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Manufacturer	Murr Elektronik
Catalog number	55532
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Compact I/O Module
Fieldbus	Profinet
Digital Inputs	12 inputs
Digital Outputs	4 outputs
IO-Link Master	V1.1.2
Sensor Supply	24 V DC, max. 200 mA (M12 female)/max. 1 A (IO-Link female), short-circuit and overload protected
Actuator Supply	24 V DC, max. 9 A
Output Current per Pin	1.6 A
Temperature Range	-25°C to +60°C
Housing Material	Metal
Protection Rating	IP67

Description

The Murr Elektronik 55532 is a compact I/O module designed for industrial automation applications. This device features 12 digital inputs and 4 digital outputs, all supporting IO-Link Master V1.1.2, facilitating seamless integration with various sensors and actuators.

It operates over a Profinet fieldbus with a transfer rate of up to 100 Mbit/s, ensuring high-speed communication within automation systems. The module is housed in a robust metal enclosure with an IP67 protection rating, making it suitable for deployment in harsh industrial environments.

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Its operating temperature range spans from -25°C to +60°C, with storage capabilities extending from -25°C to +70°C. The device supports a maximum actuator supply of 24 V DC at 9 A, and each output can handle up to 1.6 A, with short-circuit and overload protection.

Additionally, the 55532 offers features such as Fast-Start-Up (FSU) with a maximum time of 500 ms, MRP client support, and diagnostics via LED and bus, including monitoring for under voltage, no voltage, short-circuit, overload, and cable breaks.

This module is ideal for applications requiring reliable and efficient I/O connectivity in industrial automation systems.