MW-12DC24DC-25

Mean Well 25W Singe Output DC - DC Converter

Product Overview

Mean Well - 25W Singe Output DC - DC Converter - 24VDC



Specifications

About this product

The Mean Well SD-25A-24 is a compact 25W isolated DC-DC converter designed to deliver stable 24V DC output from a wide input range. Built for industrial reliability, it provides efficient voltage conversion with built-in protection features including overload, short circuit, and overvoltage protection. Buy now for dependable power regulation in automation, telecom, and embedded systems applications, and ensure stable performance for your electronic equipment.

Overview Summary

Product: Mean Well SD-25A-24 25W DC-DC Converter

The Mean Well SD-25A-24 is a high reliability isolated DC-DC converter designed for industrial and electronic applications requiring stable 24V output power. It converts a DC input supply into a regulated 24V output, making it suitable for automation systems, communication equipment, and embedded control devices.

With a rated output power of 25W and efficient conversion performance, this module ensures stable voltage delivery even under varying load conditions. It is engineered with isolation between input and output to improve safety and reduce electrical noise interference.

The unit is compact and designed for easy integration into control panels and electronic assemblies where space and reliability are critical.

Performance tier: Industrial grade

Uses: Industrial automation, control systems, telecom equipment, embedded electronics, instrumentation power supply

Overview

The Mean Well MW-12DC24DC-25 is a 25W single output DC-DC converter designed for industrial applications. It accepts a wide input voltage range of 18V to 36V DC and delivers a regulated 24V DC output. This unit features high efficiency, short-circuit protection, and operates within a temperature range of -40C to +70C. The compact metal case ensures reliable performance in demanding environments.

Description

The Mean Well SD-25A-24 is part of the SD-25 series of isolated DC-DC converters designed for dependable industrial use. It provides a regulated 24V DC output from a lower DC input source within a wide input range. The unit is engineered with high frequency switching technology to deliver stable power conversion with low ripple and noise.

The converter features reinforced isolation between input and output circuits, improving safety in sensitive electronic environments. It is commonly used in systems that require clean and stable 24V power rails, especially where reliability and electrical protection are essential.

Its rugged construction and compact form factor allow it to be integrated into control cabinets, automation systems, and electronic assemblies with limited space.

Features

- 25W rated output power for stable industrial applications
- 24V DC regulated output with up to 1.1A current
- Wide DC input range (9.2V to 18V for A type model)
- High isolation between input and output for safety
- Built in protection against overload, short circuit, and overvoltage
- Compact industrial grade design for panel integration
- Low ripple and noise output for sensitive electronics
- High reliability design for continuous operation environments

What's in the Box

- 1 x Mean Well SD-25A-24 DC-DC Converter Module

Specifications

- Brand: Mean Well
- Model: SD-25A-24
- Type: Isolated DC-DC Converter
- Rated power: 25W
- Output voltage: 24V DC
- Output current: 1.1A
- Input voltage range: 9.2V to 18V DC
- Efficiency: Up to 78 percent
- Voltage adjustment range: 23V to 30V DC
- Isolation voltage: 1.5kVAC input to output
- Operating temperature: -10C to +60C
- Storage temperature: -20C to +85C
- Line regulation: approx 0.2 percent
- Load regulation: approx 0.2 percent
- Protection: overload, overvoltage, short circuit
- Dimensions: 99 x 97 x 36 mm
- Mounting type: Enclosed industrial module

FAQ

What is the Mean Well SD-25A-24 used for

This DC-DC converter is used to supply stable 24V power in industrial systems, automation equipment, and electronic control

circuits.

Is the SD-25A-24 isolated

Yes, it provides galvanic isolation between input and output for improved safety and reduced electrical interference.

Can it handle continuous operation

Yes, it is designed for continuous industrial use within its rated power and temperature limits.

What protection features does it include

It includes overload protection, short circuit protection, and overvoltage protection for safe operation.

Where can it be installed

It can be installed inside control panels, automation systems, and embedded electronic enclosures requiring regulated 24V DC power.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/MW-12DC24DC-25-Mean-Well-25W-Singe-Output-DC-DC-Converter-p-55048.php

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