PS2001-4810-0000

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	ps2001-4810-0000
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Output Voltage	48 V DC
Output Current	10 A
Input Voltage	AC 100–240 V, DC 110–150 V
Efficiency	96.3%
Extra Power	120%
Operating Temperature Range	-25°C to +70°C
Active Power Factor Correction	Yes
DC-OK LED Indicator	Yes
Potential-free Relay Contact	Yes

Description

The Beckhoff PS2001-4810-0000 is a single-phase, 48 V DC power supply designed to deliver a continuous output of 10 A, equating to 480 W of power. This unit is engineered for industrial automation applications, providing a reliable and efficient power source for various automation components.

Key features include a wide-range input of AC 100–240 V and DC 110–150 V, ensuring compatibility with diverse power systems. The power supply boasts an efficiency of up to 96.3%, minimizing energy consumption and heat generation.

It offers a continuous extra power capability of 120%, allowing for short-term peak currents up to 576 W, which is beneficial for handling transient loads. The device operates within a temperature range of -25°C to +70°C, making it suitable for demanding environments.

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Its compact design, with dimensions of 48 mm in width, 124 mm in height, and 127 mm in depth, facilitates easy integration into standard 35 mm DIN rails. The PS2001-4810-0000 is equipped with Active Power Factor Correction (PFC) to enhance power quality and reduce harmonic distortion.

It also features a DC-OK LED indicator and a potential-free relay contact for monitoring the output voltage status. Additionally, the power supply complies with international standards, including CE, EAC, UKCA, cULus, Class I Div2, ATEX, and IECEx, ensuring safety and reliability in various industrial settings.