

6EP1437-2BA10

Industrial automation components

Manufacturer	Siemens
Catalog number	6ep1437-2ba10
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	3.83 kgs
Current	40 A
Power	960 W
Signal Type	500
Voltage	400 - 500 V
Signal Level	500 V
Relay Specifications	500 VAC

Description

The Siemens 6EP1437-2BA10 is a robust power supply module from the SITOP Power series, engineered to deliver a stable 24 V DC output at up to 40 A, making it ideal for demanding industrial automation applications. Designed for DIN rail mounting, this power supply ensures efficient space utilization and straightforward installation within control cabinets. It accepts a wide input voltage range of 400–500 V AC, accommodating fluctuations in industrial power systems. The output voltage is adjustable between 22.8 and 26.4 V DC, providing flexibility to meet specific system requirements. With a total tolerance of $\pm 3\%$ and a residual ripple of up to 150 mV peak-to-peak, it guarantees reliable and consistent power delivery. The unit operates efficiently with a typical efficiency of approximately 90% at rated load, minimizing energy consumption and heat generation. Its compact dimensions of 92 mm in length, 280 mm in width, and 180 mm in height, along with a weight of approximately 3.6 kg, facilitate easy integration into various setups. The 6EP1437-2BA10 is engineered to function optimally in ambient temperatures ranging from 0°C to 55°C, ensuring durability and consistent performance in diverse industrial environments.