



Sensors

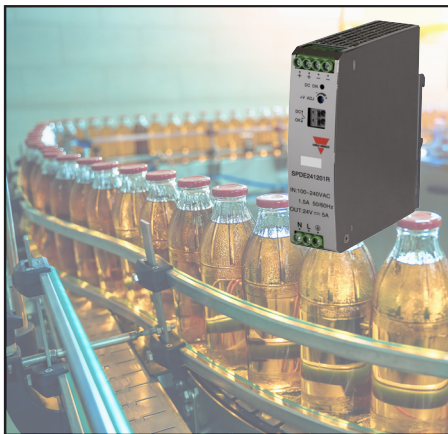


Switches



Controls

Application notes



Application Note: November 2022

Industry: Food & Beverage

Product: SPDE series

Customer: OEM

Subject: Reliable and flexible automation solution for food and beverage production lines

CUSTOMER ISSUE :

The food and beverage industry refers to all the processes of preparing, presenting, and serving food and beverages.

It is mandatory to create and maintain high-quality automation standards to assure the perfect functioning of all automatic controls.

Main requirements for power supplies are:

- Compactness
- Relay output
- PFC
- High efficiency
- Flexible installation

OUR SOLUTION :

The SPDE power supply series is extremely compact thereby facilitating its installation even in tight spaces.

The 120 W model has a width of just 32 mm.

The SPDE..R model of this series comes with a DC OK relay indication and has a built-in PFC, which assures high operating efficiency up to 94%.

The SPDE series has a universal input voltage range (90 VAC to 264 VAC or 120 VDC to 370 VDC), and a wide operating temperature range (-40°C to +70°C / -40°F to 158°F) with derating starting from 50°C (122°F) for most models.

BENEFITS :

- Occupies less space in the panel
- DC OK relay indication and built-in active PFC (only in SPDE..R models)
- Efficiency up to 94%
- Short Circuit, Over Current, Over Voltage, Over Temperature output protections
- Wide selection of power outputs: (75 / 120 / 240 / 480 W)
- Wide selection of voltage outputs: (12 / 24 / 48 VDC)
- Operates on different supply voltages (90 VAC to 264 VAC or 120 VDC to 370 VDC)
- UL61010 and UL62368 certified