



Sensors



Switches



Controls

Application notes



Application Note: November 2022

Industry: Plastic & Rubber

Product: SPDE series

Customer: OEM

Subject: Efficient and certified production controls for the plastic industry

CUSTOMER ISSUE :

Some important requirements for plastic materials are high workability, low specific gravity, low electrical and heat conductivity, resistance to corrosion, low friction coefficient, chemical resistance, and great aesthetic features.

To reach all these quality standards, production must be managed by efficient, flexible, and certified automation systems.

Main requirements for power supplies are:

- Compactness
- Relay output
- PFC
- High efficiency
- Compliance to relevant standards

OUR SOLUTION :

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

The 240 W model has a width of just 41 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%.

This series is also compliant with the latest industry standards UL61010 and UL62368.

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