



Sensors



Switches



Controls

Application notes



Application Note : July 2020

Market involved : Building automation

Product : SPMA series

Customer : System integrators

Subject : Reliable, small foot-print and efficient power supply series

CUSTOMER ISSUE :

New buildings integrate more automated functions to monitor and control different areas of the building such as heating, ventilation and air-conditioning (HVAC) to improve the occupants' comfort whilst maintaining high efficiency.

Monitoring equipment such as VFDs, energy meters and similar equipment need auxiliary power to operate.

The main requirements of power supplies are therefore:

- Compact footprint
- High efficiency
- Long service life
- Compliance to relevant standards

OUR SOLUTION :

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

The models from 30 – 60 W are just 3 DIN module size.

The SPMA series is also very efficient with levels reaching up to 89%.

Such a high level of efficiency reduces the heat generated inside the electrical panel. The lower heat losses result in higher MTBF and a longer service life.

The SPMA has a wide operating temperature range (-30°C to +70°C / -22°F to 158°F) with derating starting from 50°C (122°F) for most models.

The SPMA is also approved to the latest industry standards UL508, UL 62368, UL1310 Class 2, UL121201 Class1 Div 2.

BENEFITS :

- Occupies less space in the panel
- Lower heat dissipation
- Less downtime
- Wide selection of voltage outputs (5/12/15/24 VDC)
- Operates on different supply voltages (85- 264 VAC)
- No derating up to 50°C (122°F)