Specifications

Output
Voltage: 12.25 VDC
Current: 1.0A
Load Regulation: ±5% at 10% load to full rated load
Noise and Ripple: ±40 mV peak-to-peak of output voltage

Input
Voltage: 24 – 60 VDC; 24 – 42 VRMS
Efficiency: 80% (typical)

Isolation Voltage
(Dielectric withstand) Meets IEC 950 for one minute
1500 VAC: Output/Input
1500 VAC: Input/Safety GND
1500 VAC: Output/CASE

Protection
Over Load Protection (OLP): When the average power rating exceeds 125%-150% of maximum power, output voltages reduced to a safe dissipation level; protects against short circuit of any output
No Load Protection: No damage to power supply when operating at no load
Transient Protection: No voltage spike at power-on, power-off, or power failure

Dimensions
SPS-2460-SA:
Width: 3.75” [95 mm]
Depth: 3.1” [79 mm]
Height: 1” [25 mm]

SPS-2460-PS:
Width: 4.5” [114 mm]
Depth: 3.4” [86 mm]
Height: 1” [25 mm]

Power Consumption
3 Watts (max) @ 24 VDC input, 12.25 VDC output

Environment
Operating: -20°C to 65°C
Storage: -40°C to 85°C
Humidity: 5% to 95% (non-condensing)
Altitude: 0 – 10,000 ft.

Weight
1 lb. [0.45 kg]

MTBF
Greater than 250,000 hours (MIL-HDBK-217E)

Certifications
CISPR/EN55022, Class A, FCC Class A

Warranty
Lifetime

External DC Power Supply
For Stand-alone Media Converters

Transition Networks’ wide input external power supplies allow you to provide a wide range of input voltages to power your stand-alone converters and chassis. Input voltages of 24 – 60 VDC and 24 – 42 VRMS allow for installation of any of Transition Networks’ stand-alone media converters in most industrial, telecom and commercial applications, as well as HVAC and building controlled environments.

Multiple form factors allow flexibility to meet your application. The stand-alone form factor can be used with all Transition Networks’ stand-alone media converters. The piggy back form factor allows the power supply to attach directly to the converter and eliminate the power cable commonly found between the power supply and the converter. Once the piggy back supply is attached to the converter, the combined assembly is much easier to wall mount or attach to DIN Rail environments than using a separate supply.

Ordering Information

SPS-2460-PS
Piggy-Back for use with stand-alone media converters 3.25” wide

SPS-2460-SA
Stand-Alone
For use with all stand-alone media converters

SPS-2460-xx
External DC Power Supply
For Stand-alone Media Converters