

The **PS302P** is a switched power supply unit with universal input and a fixed output voltage which, coupled to a PSI (power supply impedance) is appropriate to feed field instruments.

FUNCTIONAL DESCRIPTION

The PS302P power supply unit is a non-intrinsically safe equipment with a universal AC input (90 to 260 Vac, 47 to 440 Hz or a DC equivalent), and a 24 Vdc output, isolated, with short-circuit and overcurrent protection, ripple and fault indication, appropriate to feed field instruments.

There is no output overshoot when the PS302P is switched on or off.

Should any abnormal condition occur in the output like, overloading or short-circuiting, the PS302P internal switching is automatically switched off, thus protecting its circuit. Upon the output's return to normal conditions of operation, the circuit is automatically switched on.

The PS302P permits redundancy without requiring any component coupled to its output.



TECHNICAL CHARACTERISTICS

INPUT

AC: 90 to 260 Vac at 47 to 440 Hz.
Maximum consumption: 45 W.
DC: 127 to 367 Vdc.

OUTPUT

Voltage: 24 Vdc \pm 1% for:
• load varying from 0 to full load.
• voltage between 90 and 260 Vac.
Current: 0 to 1.5A.
Ripple: 20 mV peak to peak.

ALARM OUTPUT

1A, 30 Vdc SPST, Fail closed.

AMBIENT OPERATION TEMPERATURE

0 °C to 50 °C.

STORAGE TEMPERATURE

-30 °C to 70 °C.

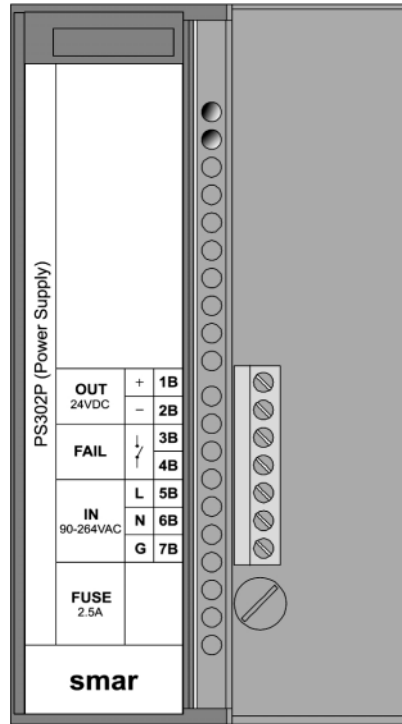
ISOLATION

Between output and enclosure ground: 500 V_{RMS}.
Between input and output: 3000 V_{RMS}.

Approximate Weight

385 g.

TERMINAL BLOCK



DIMENSIONS

Dimensions are mm (in)

