

Distributed Processing Units Power Switch Over unit (PSO-P)



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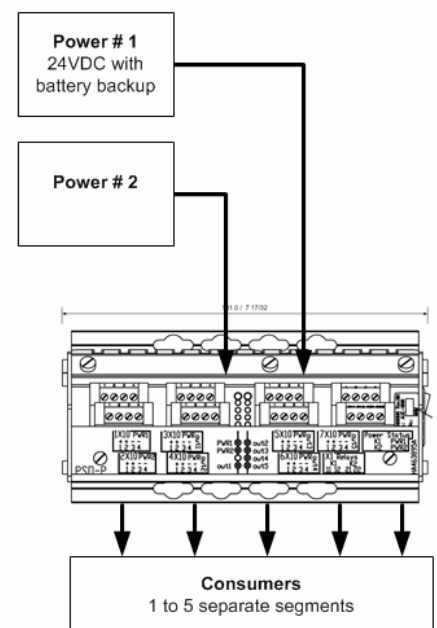


Description

The PSO-P module serves as a “switch over” unit between two independent 24V DC power sources, providing redundant power supply to Distributed Process Units (DPUs). The PSO has two 24VDC inputs and five 24VDC output, including relay output for power #1 and power #2 failures.

This model includes automatic fuses, a version for use with the AutoChief Propulsion Control System and K-Chief alarm monitoring and control system.

The figure below shows the principle of operation for the PSO-P:



Technical Specifications

Supply voltage

- 18-32 VDC
- 1X10 and 2X10 ports
- No galvanic separation in module

Power consumption

- Nominal 360 W at maximum load (5x 3A)

Nominal output

- 5 x 24 V DC, maximum 3A (Automatic fuse with manual reset included in module).
- Output voltage is equal to the highest voltage supplied to the module.

Signal

- Relay output: Change over contact.
- Max 3A 230VAC / 32VDC inductive load.

Digital output

- Isolated (Relay output).

IP Code

- IP20

Mounting

- In cabinet with minimum IP 20

Isolation

- Power: No isolation

ENV properties

- IACS E10
- IEC 60945

Vibration

- 4 G

Ambient operational temperature

- -15°C to +70°C

Ambient storage temp:

- -25°C to +70°C

Max. rel. Humidity:

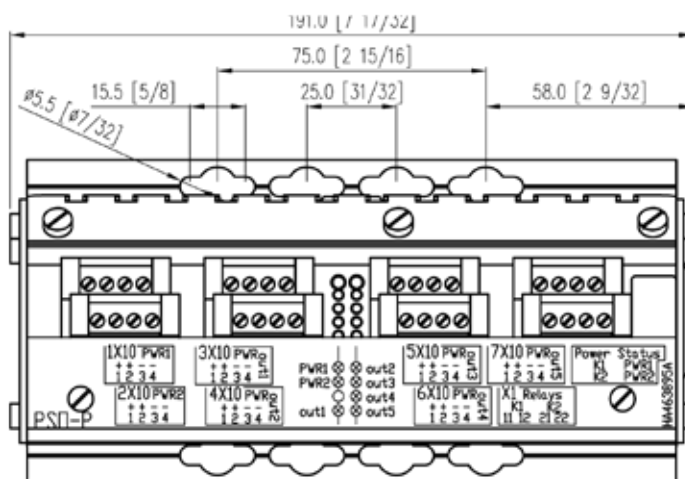
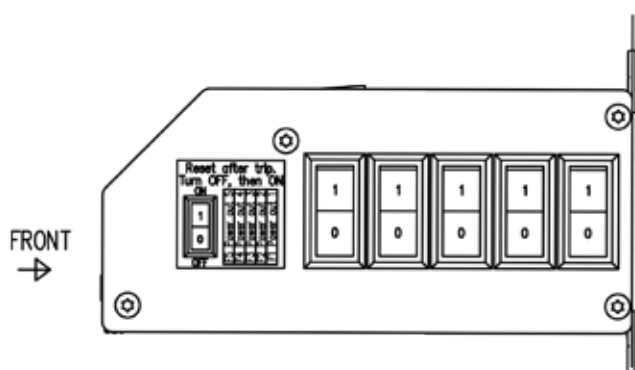
- 96% non-condensing

Weight of module

- 1.1 kg

Type approval

- DNV, LRS, BV, GL, RINA, NK, ABS, KR, PRS, RMR, CCS (allows direct mounting on engines, compressors, etc. in suitable cabinets)



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