



Product Specifications

VIBROCONTROL 6000 (VC-6000) Monitoring System Power Supply Module – PS-615

The VC-6000 Monitoring System hardware is used for both stand-alone machine protection and condition monitoring using the Compass 6000 monitoring software modules and database. The VC-6000 offers various standard monitoring modules, power supply modules and communication modules. These Product Specification describes the PS-615.

The PS-615 Power Supply Module provides power to a RC-600 rack for SM-610 Monitoring Modules, sensors and CI-6xx Communication Interface Modules.

Applications

- Can be used single or connected in parallel as a double or triple redundant power supply.
- Can be used in both internal RC-600 rack (PS-615/0) and external RC-610 power supply rack (PS-615/1) configurations.

Features

- Provides independent AC and DC input.
- Secured against reversed polarity of the input voltage and short circuits of the output voltage.
- Integrated protection against over-heating and over-loading.
- 1x green LED for each output voltage and “Power OK” signal connected to the SM-610 Monitoring Modules.
- **UL certified**



Technical Specifications

The PS-615 is a module that mounts into the RC-600 and/or RC-610 rack.

Input

AC supply voltage 100 – 240 V~ ±10 %
..... 50 – 60 Hz ±5 %
DC supply voltage..... 24 – 48 V= ±10 %

Max. power consumption..... 130 W

Output

Voltage monitoring and current limiting against overload.

Voltage:

.....+6.5VDC (±5 %), max. 6 A
..... -27VDC (±2 %), max. 2,5 A

Power-Failure Bridging Time

Fully-equipped RC-600 rack:

1x 230V~ 50 ms
1x 24Vdc..... 3 ms
1x 48Vdc..... 5 ms

Mechanical

PS-615/0 (for mounting into the RC-600 rack):

Width71 mm
Height.....132.5 mm
Depth.....295 mm

PS-615/1 (for mounting into the RC-610 rack):

Width71 mm
Height.....132.5 mm
Depth.....232 mm

Weight approx. 1.8 kg

Environmental

Operating Temperature Range0 to +65 °C
with air convection ≥ 1m/s
Storage Temperature Range -40 to +85 °C
Operating and Storage Humidity... 95 % RH non-cond.

Accessories

Scope of Delivery for PS-615/0

(for mounting into the RC-600 rack):

1x PS-615 Power Supply Module
1x AC-4603 Mounting adapter
1x AC-4602/04 Blind panel 3HE 4TE
1x DC Power plug with cable, 5 m long, open ends
1x AC Power plug with cable, 5 m long, open ends

Scope of Delivery for PS-615/1

(for mounting into the RC-610 rack):

1x PS-615 Power Supply Module
1x Output plug
1x DC power plug with cable, 5 m long, open ends
1x AC power plug with cable, 5 m long, open ends

Brüel & Kjær Vibro reserves the right to change specifications without notice