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Vision Range Switch Mode Encapsulated Power Supplies

Features

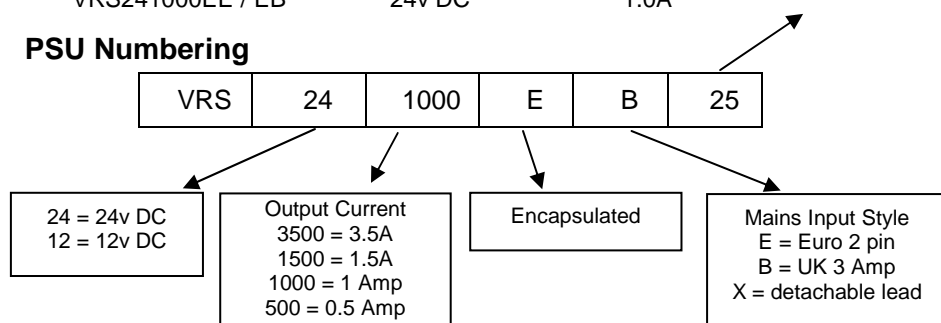
A family of Encapsulated high efficiency DC power supplies

- Fully regulated 12vdc and 24vdc DC units
- 500mA, 1A, 1.5 and 3.5A outputs available
- Electronic overload and short circuit Protection
- Class II double insulated
- Ideal for CCTV camera installations
- UK and European mains lead versions

| Model | Output Voltage | Output Current |
|------------------|----------------|----------------|
| VRS12500EE / EB | 12v DC | 0.5A |
| VRS121000EE / EB | 12v DC | 1.0A |
| VRS121500EE / EB | 12v DC | 1.5A |
| VRS123500EE / EB | 12vDC | 3.5A |
| VRS24500EE / EB | 24v DC | 0.5A |
| VRS241000EE / EB | 24v DC | 1.0A |

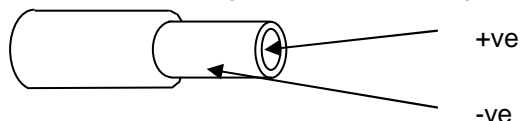
DC Output Style
25 = 2.5mm plug
blank = 2.1mm plug
S = stripped leads

PSU Numbering



Output Connections

(1) DC Plug: 2.1 or 2.5mm Power Plug – 10.0mm barrel length



(2) Stripped Leads
Black and white stripe = positive (+ve)
Black = negative (-ve)

Compliance

This power supply unit complies with the following European Directives:

Low Voltage 2006/95/EC EMC 2004/108/EC WEEE 2002/96/EC RoHS 2002/95/EC

Specifications

Input

| | |
|------------------------|--|
| Voltage | 100 – 240Vac (In accordance with Low Voltage 2006/95/EC compliance testing) |
| Frequency | 50-60Hz |
| Current | 1.2A MAX (depending upon model and input voltage) |
| Fuse (UK version only) | 3A 250v HRC Ceramic 25 mm |

Outputs

| | |
|---------------------------|---|
| Voltage Range (at 230vAC) | 11.4-12.6vDC or 22.8-25.2vDC |
| Load Current (max) | 0.5, 1.0, 1.5 or 3.5 A, continuous |
| Ripple | <120mV Pk – Pk max |
| Overload | Electronic and thermal shutdown (Note in the event of a shut down the PSU may need to be disconnected from the load for at least 20 s before reconnecting) |

Environmental

Temperature 0°C to +40°C operation, -20°C to +75°C storage

Installation

This unit is only suitable for installation as permanently connected equipment. The PSU is **NOT SUITABLE** for external installation. The PSU should be installed according to all relevant safety regulations applicable to the application.

This unit must be fed from a mains power source having a separate (approved) disconnect device and fitted with a fuse or other over-current protection device rated at 3A maximum. Ensure that the disconnect device used has appropriate earth fault protection to the applicable standard.

Secure PSU case in position using cable ties or other suitable fastening to prevent movement. Secure mains input and load output leads to prevent damage due to disturbance or movement.

Operating Instructions

There are NO USER SERVICEABLE parts inside.

Maintenance

There is no regular maintenance required of the PSU other than periodic testing. If the output of the PSU fails the cause of the failure should be investigated e.g. short circuit load. The fault should be rectified before restoring power to the PSU. If a fuse in the UK mains plug needs to be replaced, ensure the correct fuse rating and type is used.

For Internal Use Only

The packaging supplied with this product may be recycled.
Please dispose of packaging accordingly.