

# EURACK/USRACK Fiber Rack Mounts

## CHASSIS FOR FIBER OPTIC MODULES WITH INTERNAL POWER SUPPLY

### Product Features

- 4 Rack Units (RU) High
- Mounts in a EIA-Standard 48.26 cm (19-Inch) Rack
- Holds up to 14 Single-Width Fiber Optic Modules
- Hot-Swappable Internal Power Supply
- Voltage Transient Protection on All Power and Signal Input/Output Lines
- Optional Blank Modules
- Compatible with All FTV/FRV Series Modules



The **EURACK/USRACK** chassis is designed to hold up to 14 single-width fiber optic modules. The internal power supply is 4 RU high. The chassis is designed to mount into an EIA-standard, 48.26 cm (19-inch) rack. Optional single-width blank modules (RACK1B) can be inserted into empty module slots.

The **EURACK/USRACK** fiber card cage features automatic electronic current limiting at each module rather than limiting current at the power supply. With this design, if a fiber module fault occurs, only the faulty module will shut down. All other modules within the rack will continue to operate unimpaired.

The automatic current limiting feature of the **EURACK/USRACK** is also self-resetting. This allows the unit to handle a temporary or intermittent fault or overload. Modules in the chassis are hot-swappable, allowing the rack to remain powered when removing or replacing modules.

# TECHNICAL SPECIFICATIONS

## MODEL

|        |                                                                                           |
|--------|-------------------------------------------------------------------------------------------|
| EURACK | Rack-mount chassis for up to 14 fiber optic modules, internal power supply, EU power cord |
| USRACK | Rack-mount chassis for up to 14 fiber optic modules, internal power supply, US power cord |

## ELECTRICAL

|                 |                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Input Voltage   | 90 to 264 VAC at 70 W maximum                                                                                                             |
| Output Voltage  | 9 VDC $\pm$ 5% at 6.5 A at 75°C                                                                                                           |
| Fuse Rating     | 1.25 A slow blow (rack power supply); plug-in modules are individually electronically fused; each power supply unit is individually fused |
| Power Connector | 2-pin, for user-supplied power supply                                                                                                     |
| Power Indicator | Red LED                                                                                                                                   |
| AC Line Cord    | Detachable, IEC-connected; allows easy field replacement or exchange for various AC power cord configurations                             |
| MTBF            | >100,000 hours                                                                                                                            |

## ENVIRONMENTAL

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| Operating Temperature     | −40° to 75°C (−40° to 167°F)                                  |
| Storage Temperature       | −40° to 85°C (−40° to 185°F)                                  |
| Operating Humidity        | 20 to 80%, noncondensing                                      |
| Maximum Humidity Gradient | 10% per hour                                                  |
| Operating Altitude        | −16 to 3,048 m (−50 to 10,000 ft)                             |
| Operating Vibration       | 0.25 G at 3 Hz to 200 Hz at a sweep rate of 0.5 octave/minute |
| Heat Generation           | 240 BTU (full rack average)                                   |

## GENERAL

|                 |                                                      |
|-----------------|------------------------------------------------------|
| Rack Units      | 4                                                    |
| Construction    | Aluminum                                             |
| Dimensions      | 48.2 × 19.0 × 17.5 cm<br>(19.0" D × 7.5" W × 6.9" H) |
| Mounting        | Fits in a 48.26 cm (19-inch) EIA-standard rack       |
| Unit Weight     | 2.00 kg (4.35 lb)                                    |
| Shipping Weight | 2.27 kg (5.00 lb)                                    |

## CERTIFICATIONS/RATINGS\*

- CE, Class A
- FCC, Class A
- UL/cUL Listed
- C-Tick
- Designed to meet NEMA TS 1/TS 2 and Caltrans traffic signal control equipment environmental standards

\*At the time of this printing, all certifications are pending. Please consult the factory, our Web site ([www.pelco.com](http://www.pelco.com)), or the most recent B.O.S.S.® update for the current status of certifications.

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