

GN 55 W 0048 Chameleon redundant power supply 48 V DC
GN 55 W 0230 Chameleon redundant power supply 230 V AC



Legal Reference and Safety Standards

Operation of optical communication systems is subject to national and/or international safety regulations.

We refer to:

- European directive 2006/25/EC on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artificial optical radiation),
- International standard IEC 60825-1 (2007-03): Safety of laser products - Part 1: Equipment classification and requirements, and
- International standard IEC 60825-2 (2010-12): Safety of laser products - Part 2: Safety of optical fiber communication systems (OFCs).

Generally, the operator of a communication system is responsible for its safe operation. Some important points to respect are e.g.

- Assessment of hazard levels at accessible locations,
- Care for the proper installation and maintenance,
- Measures for the safe operation, like access control and adequate staff training.

Electrical Safety

The LX equipment must be grounded in accordance with local and national electrical standards.

Risk of bodily injury from electric shock! Failure to adhere to these instructions could result in personal injury and/or damage to electrical components.

- Each power supply unit must be switched on or off using a circuit breaker which have to be implemented as part of the building wiring.
- Each shelf and the rack must be properly grounded before power is applied by turning on the respective circuit breaker.

ESD Protection

This product contains electrostatic sensitive devices. These devices can be damaged or effectively destroyed by electrostatic discharge (ESD) during unpacking, installation, removal, storage, or shipment if incorrectly handled. Please note that discharge might go unnoticed by a user. Always take normal static precautions when handling the equipment!

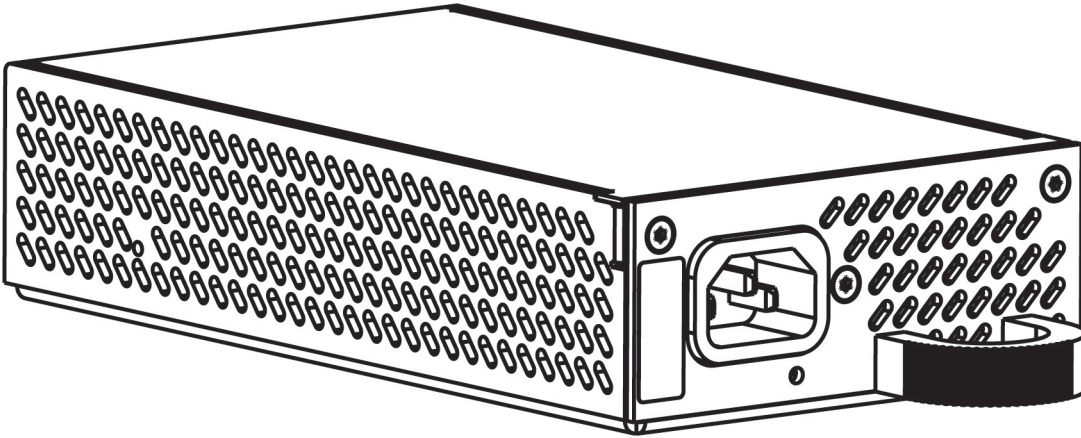
Important information for Changing the power supply

- If there is an redundant power supply unit inside and working, it is possible to change 1 power unit while device is running
 - Disconnect the AC and DC Power cables and remove the power-supply-unit
 - Set in the new Power-supply-unit and connect the cables like it was on the old one.
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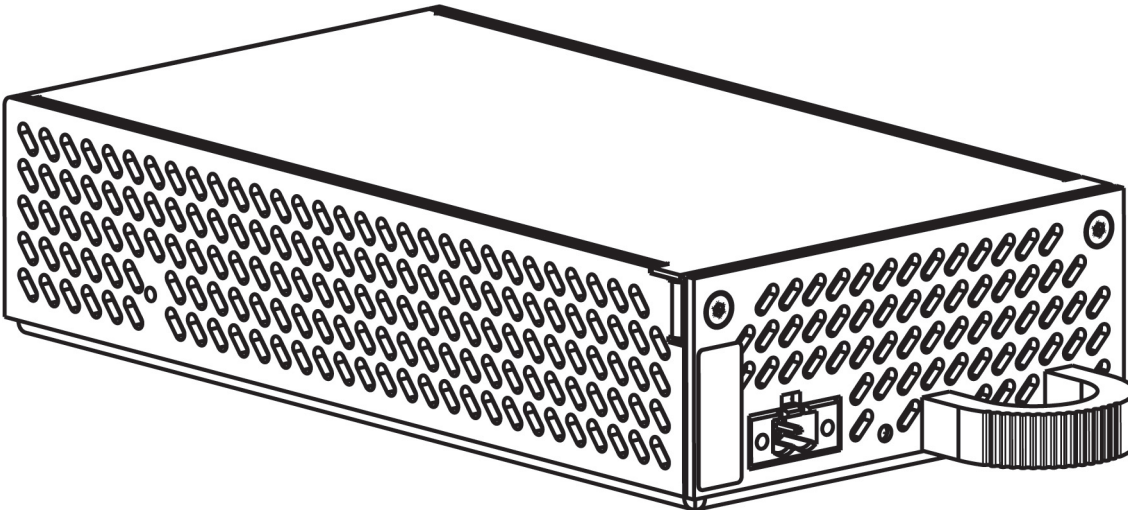
Power Supply Module GN 55 W 0048 / 0230

Front and rear view of the power supply modules, showing connectors and the pulling handle.

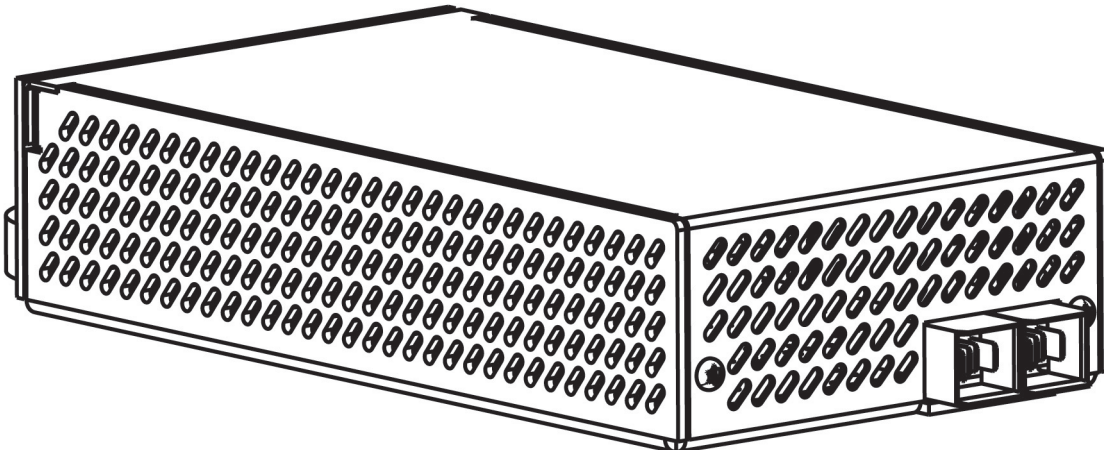
AC Power Supply Module GN 55 W 0230



DC Power Supply Module GN 55 W 0048

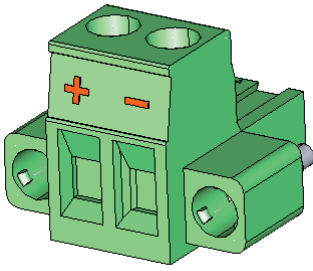


Power Supply Module Rear View: Interface towards backplane

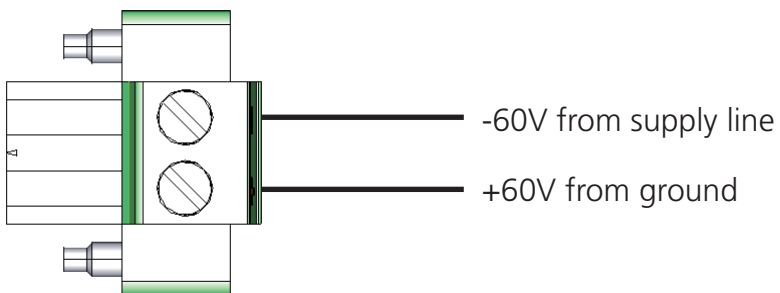


Phoenix connector for GN 55 W 0048

Phoenix connector for DC power supply

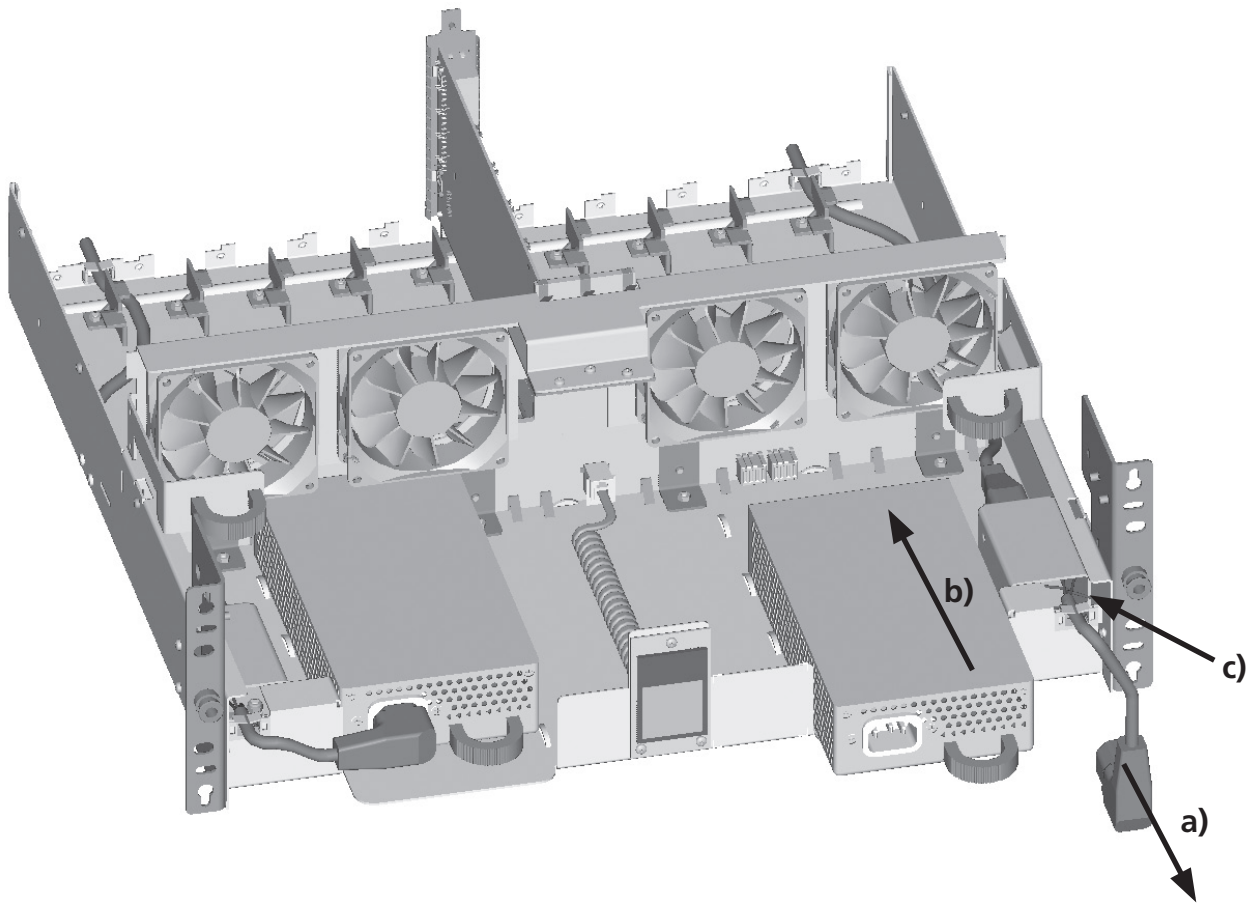


PIN Assignment DC connector



Assembling redundant Power-supply

- Remove cover plate from GN50 (a)
- Insert redundant power unit (b)
- Fix the AC power cable in (c)
- Connect redundant power unit with AC power cable



Technical data

Dimension (W x H x D)		100 x 42 x 217 mm
Input voltage	GN 55 W 0230	180V ... 265 VAC (47...63 Hz)
	GN 55 W 0048	-45V ... -75 VDC
Operating temperature range	-5 °C – +45 °C (ETSI EN 300 019 -1-3 Class 3.2)	



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