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# KLM 125 Series™

## 1RU Fuse Panel for Telecom Broadband



- 19"/23" rack mount via reversible mounting brackets (1RU high)
- -48VDC; Dual A/B input; 125A max per bus
- 4A/4B KLM fuse positions; 4A/4B GMT fuse positions
- 30A max KLM fuse size; 15A max GMT fuse size
- Threaded studs for input and return terminations
- Connectorized and terminal block output options
- Output lacing bar (connectorized models only)
- Optional advanced 2.4" meter module display
- Dry contact alarm output for remote monitoring

**Among a wide range of distribution panels, Alpha® offers the KLM 125 Series™ fuse panel with the perfect combination of features for your application, all in a compact 1RU footprint.**

The KLM 125 Series fuse panel sets itself apart from the rest with support of up to eight 30A KLM fuses (4A/4B) and up to an additional eight 15A GMT fuses (4A/4B) at 125A max per bus in a dual-bus configuration. With safety in mind, plastic input covers come standard with all models as well as an additional output cover for models with terminal block output configurations. A and B-side input and output positions are clearly labeled on the front and rear of the panel.

Optional positive-latching output DC connector positions are available on some models allowing for a significant improvement in ease of installation and clean cable management with the help of an included cable lacing bar. Bright, color coded LED indicators on the front of the panel display individual fuse status which can also be monitored by an optional meter module display.

# KLM 125 Series™ 1RU Fuse Panel Specifications

Electrical	
<b>Voltage:</b>	-48VDC
<b>Number of Busses:</b>	2
<b>Load Current Per Bus:</b>	125A max. continuous
<b>Total Load Current:</b>	125A max. continuous
<b>Alarm Contacts:</b>	Form-C, 60VDC @ 0.5A max
<b>Circuits:</b>	16 (4A/4B KLM fuse positions, 4A/4B GMT fuse positions)
<b>Maximum Input Interruption Device:</b>	150A

Mechanical	
<b>Dimensions L x H x D (in/mm):</b>	17 x 1.72 x 10.98 (14.70") / 432 x 44 x 279 (373") (without mounting ears)  *Models with output cable lacing bar installed
<b>Weight (lb/kg):</b>	8.5 / 3.9
<b>Mounting (in/mm):</b>	Rack mount; 19 or 23 / 483 or 584

Environmental	
<b>Operating Temperature:</b>	0 to 45°C
<b>Humidity:</b>	0 to 95% RH non-condensing
<b>Elevation:</b>	2000 m
<b>Regulatory Compliance:</b>	<b>Safety:</b> ANSI/UL 60950-1

Connections	
<b>Input Terminals:</b>	1/4" Threaded stud; 5/8" CTC
<b>Output Terminals:</b>	Terminal block models: M3 (#6) screw terminal Connectorized models: Positive latching DC connector
<b>Chassis Ground:</b>	1/4" Threaded insert; 5/8" CTC



Figure 1. Terminal block output connections



Figure 2. Connectorized output connections

Model Configurations	
Part Number	Description
C016-1846-10	KLM 125 Fuse Panel; Dual A/B Input; 4A/4B KLM Fuses; 4A/4B GMT Fuses; 125A Max Per Bus; 30A Max KLM Fuse; 15A Max GMT Fuse; -48VDC; Terminal Block Outputs
C016-1847-10	KLM 125 Fuse Panel; Dual A/B Input; 4A/4B KLM Fuses; 4A/4B GMT Fuses; 125A Max Per Bus; 30A Max KLM Fuse; 15A Max GMT Fuse; -48VDC; Terminal Block Outputs; Advanced Display
C016-1848-10	KLM 125 Fuse Panel; Dual A/B Input; 4A/4B KLM Fuses; 4A/4B GMT Fuses; 125A Max Per Bus; 30A Max KLM Fuse; 15A Max GMT Fuse; -48VDC; Connectorized Outputs
C016-1849-10	KLM 125 Fuse Panel; Dual A/B Input; 4A/4B KLM Fuses; 4A/4B GMT Fuses; 125A Max Per Bus; 30A Max KLM Fuse; 15A Max GMT Fuse; -48VDC; Connectorized Outputs; Advanced Display

Compatible KLM Fuses	
Part Number	Description
C460-089-10	KLM Fuse 1A; 600VDC
C460-088-10	KLM Fuse 2A; 600VDC
C460-087-10	KLM Fuse 3A; 600VDC
C460-085-10	KLM Fuse 5A; 600VDC
C460-086-10	KLM Fuse 7A; 600VDC
C460-082-10	KLM Fuse 10A; 600VDC
C460-084-10	KLM Fuse 15A; 600VDC
C460-081-10	KLM Fuse 20A; 600VDC
C460-083-10	KLM Fuse 25A; 600VDC
C460-080-10	KLM Fuse 30A; 600VDC

Compatible GMT Fuses	
Part Number	Description
C460-014-10	GMT Fuse 1/4A; 60VDC; Violet Flag
C460-042-10	GMT Fuse 1/2A; 60VDC; Red Flag
C460-013-10	GMT Fuse 1A; 60VDC; Gray Flag
C460-026-10	GMT Fuse 2A; 60VDC; Orange Flag
C460-027-10	GMT Fuse 3A; 60VDC; Blue Flag
C460-028-10	GMT Fuse 4A; 60VDC; White/Brown Flag
C460-009-10	GMT Fuse 5A; 60VDC; Green Flag
C460-012-10	GMT Fuse 7.5A; 60VDC; Black/White Flag
C460-010-10	GMT Fuse 10A; 60VDC; Red/White Flag
C460-011-10	GMT Fuse 15A; 60VDC; Red/Blue Flag