

# Select Series

PowerWorx® Fuse Panels



Your Power Solutions Partner

- TPA and KTK/KLM fuse panels used in telecom, CATV and datacenter environments
- 50A TPA fuses and 30A KTK/KLM fuses allow larger transport equipment loads to be connected and powered
- Smaller equipment can be served utilizing the additional GMT positions



**As data and telephony converge, network elements with varying amperage requirements are often mixed within the same bay.** The PowerWorx® Select Series fuse platform enables service providers to fuse this equipment from one platform, in a single rack unit, making the most of valuable space. Its compact foot print and versatility are well suited for collocation applications where high-amperage equipment such as routers, DSLAMs, and Sonet gear are installed with lower-amperage equipment. It's patent-pending modular design enables service providers to combine TPA, KTK/KLM and GMT fuses within a single rack unit. Input power up to 100 Amps per bus, with up to 50 Amps output power per fuse position, is available.

# Power

# Select Series Fuse Panels

4 TPA/4 GMT P/N: 300001772984, 4 TPA/10 GMT P/N: 1283921, 4 KTK/KLM/4 GMT P/N: 1201823

## MECHANICAL

**Dimensions (H x W x D):** ..... 1.75" x 17.12" x 10" (44 x 435 x 254mm). Dimensions do not include depth of power connectors, alarm lamps or fuses.  
**Weight:**..... Approximately 12.5lbs (5.7kg)  
**Rack Mounting Width:**..... The standard front/rear access fuse panel can be flush (or recess) mounted into 19-inch (483mm) or 23-inch (584mm) EIA and WECO 2 racks. ETSI mounting is also available.  
**Housing Material:**..... Cold-rolled 16 gauge steel. Polycarbonate protective cover provided with all panels.  
**Housing Finish:** ..... Powder-coat putty white

## POWER

**Fuse Capacity:** ..... The fuse manufacturer recommends that GMT fuses rated 8 to 15 Amps be continuously operated at no more than 80% of their nominal current rating.  
**TPA Fuses:**..... 3 to 50 Amps  
**KLM/KTK1 Fuses:**..... 5 to 30 Amps  
**GMT Fuses:** ..... 0.2 to 15 Amps  
 G4 configurations accept fuses rated up to 15 Amps. G1 configurations accept fuses rated up to 10 Amps.  
**Panel Capacity:**..... 100 Amps maximum per bus (200 Amps total, dual bus configuration)  
**Operating Voltage:**..... -24Vdc (-21 to -30Vdc tolerance) or -48Vdc (-42 to -56Vdc tolerance)  
**Power Dissipation:**..... 100 watts maximum  
**Fail Alarm Indicators:** ..... Red LED indicates blown fuse. Green LED indicates power on.  
 Alarm output contacts provided for audible, visual, and remote alarms.  
**Alarm Contact Connection:** .... Wire wrap connections  
**Alarm Contact Relay:**..... 1 Amp maximum  
**Input Feed Connection:**..... Two-hole compression lug (stud-type) accepts range of wire up to 2 AWG.  
 Product ships with two 2-hole lugs (accepting 2AWG wire) per power bus, plus one extra 2-hole lug.  
**Output Feed Connection:**..... Screw-down barrier terminals trip accepts range of bare wire up to 8AWG (TPA), 10AWG (KLM), or 12-16AWG (GMT).  
**Grounding:** ..... Two-post grounding accepts range of wire up to #10AWG for single connection; two-hole compression lug (stud-type) accepts wire up to #2AWG.

Fuse Type	Bare Wire Size	Ring Lug Size	Post Size	Distance Between Barrier Walls
TPA	8-16AWG	10AWG	8-32	0.378" (10mm)
KLM/KTK1	8-16AWG	10AWG	8-32	0.320" (8mm)
GMT, 4	12-22AWG	12AWG	6-32	0.325" (8mm)
GMT, 10 position (A4 G1 combination)	16-30AWG	16AWG	3-482	0.200" (5mm)

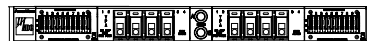
## ENVIRONMENTAL

**Storage Temperature:** ..... -45° to 85°C (-49 to 185°F)  
**Operating Temperature:**..... -5° to 55°C (23 to 131°F)  
**Operating Humidity:** ..... 0% to 95%, non-condensing  
**Operating Altitude:** ..... Up to 13,000 feet (3.96 km)

## STANDARDS

Meets UL, Telcordia (Bellcore), NEC 2002, CSA, NEBS Level 3, IEC, and CE standards  
 KTK fuses are not currently rated for DC voltages by Underwriters Laboratories (UL). KTK fuses will fit in the KLM fuse holder.

**4TPA/10 GMT**  
 PWX-041RCA4G1YSPSP

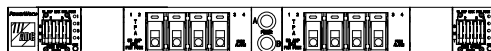


Front View

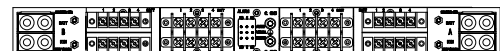


Rear View

**4TPA/4 GMT**  
 PWX-041RCA4G4YSPWP

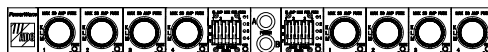


Front View



Rear View

**4KLM/4 GMT**  
 PWX-041RCK4G4YSPSP



Front View



Rear View

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