

Pre-assembled current limiting panel for track lighting and general branch circuit applications requiring energy code compliance. Limits branch circuit volt-ampere draw to a fixed value, eliminating the need to calculate watts-per-foot of track — allowing designers to specify track length freely while meeting applicable energy codes. Factory assembled, DIN-rail mounted thermal magnetic circuit breakers in a UL 508A listed NEMA 1 steel enclosure. Ready to install.

KEY FEATURES

- ✓ Meets energy code compliance for track lighting via VA-based branch circuit limiting
- ✓ Eliminates watts-per-linear-foot track length calculations, specify any run length
- ✓ Suitable for track lighting and any application requiring fixed branch circuit power limits
- ✓ 10 independent 5A, 277/120VAC thermal magnetic circuit breakers
- ✓ C-type trip curve optimized for lighting loads
- ✓ Factory assembled and ready to install
- ✓ DIN-rail mounted components for clean, serviceable layout
- ✓ NEMA 1 steel enclosure, ANSI 61 gray powder coat finish
- ✓ UL 508A listed panel

SPECIFICATIONS

Circuit Breaker Type	Thermal magnetic, DIN rail mount
Circuit Breaker Series	Phoenix Contact TMC 7
Circuit Breaker Listing	UL 1077
Trip Curve	C type
Poles per Circuit	1
Number of Circuits	10
Current Rating	5A per circuit
Voltage Rating (AC)	277 VAC
Voltage Rating (DC)	60 VDC
Wire Size (Load)	14–6 AWG, solid or stranded, 75°C copper
Enclosure Type	NEMA 1 (UL Type 1, indoor)
Enclosure Material	Carbon steel, powder coat finish
Enclosure Color	ANSI 61 gray
Enclosure Dimensions	12H × 12W × 6D in
Mounting	Wall mount, surface
DIN Rail	35mm unslotted, plated steel
Operating Temperature	23°F to 140°F (–5°C to 60°C)
Relative Humidity	0–95%, non-condensing
Panel Listing	UL 508A
Assembly	Factory assembled and tested

ORDERING INFORMATION

Part Number	Description
PNL-CL-10CKT-5A-NEMA1	Current Limiting Panel, 10 Circuit, 5A per circuit, 277/120VAC, NEMA 1 indoor