

# Dead Front Fuse Holders

## LPHV Series POWR-SAFE Fuse Holders

1000 V dc



### Description

The LPHV series dead front fuse holders are a touch-safe design providing protection to personnel when installing and removing fuses. They are intended to house mid-gauge-sized 1000 V fuses. These fuse holders are not designed for load break, but they are ideal for isolating photovoltaic module strings for maintenance and meet UL requirements for 1000 V solar fuse protection. The compact fuse holder mounts quickly onto a 35 mm DIN rail, decreasing panel layout and assembly time. They are available in 1-, 2-, 3-, and 4-pole configurations, or they can be connected together with a Littelfuse multi-pole assembly kit (sold separately). The LPHV series has been self-certified to stringent Littelfuse standards for applications upward of 1000 V dc. These fuse holders meet IEC 60269-2, -4, and -6 performance requirements.

### Features & Benefits

FEATURES	BENEFITS
<b>Touch-safe design</b>	Maximum safety for personnel
<b>35 mm DIN rail mountable</b>	Easy installation in various settings
<b>Compact design</b>	Ultimate flexibility, space-saving
<b>Easy removal</b>	No fuse pullers or tools required for fuse removal

### Applications

- Combiner boxes
- Photovoltaic inverters

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### Specifications

<b>Voltage Rating</b>	1000 V dc/600 V ac
<b>Amperage Rating</b>	30 A
<b>SCCR Rating</b>	50 kA
<b>Power Dissipation</b>	4 W Maximum
<b>Fuse Type</b>	10 X 38 mm up to 1000 V
<b>Housing Material</b>	Thermoplastic
<b>Terminal Screws</b>	Zinc Plated Steel, Phillips/Slotted Head
<b>Pressure Plate</b>	Nickel Plated Steel
<b>Fuse Clip Material</b>	Silver Plated Copper Alloy
<b>Operating Temperature</b>	-55 °C to +125 °C
<b>Flammability Rating</b>	UL94 V-0
<b>Approval</b>	Self-certified 1000 V dc 50 kA uR & CSA 600 V ac/dc 20 kA
<b>Environmental</b>	RoHS compliant, Lead (Pb) Free

### Certification & Compliance

<b>CE</b>	Declaration of Conformity: EU_DOC-LPHV_210315
<b>CSA</b>	CSA File: 007316_0_000
<b>UL</b>	UL File E14721
<b>RoHS</b>	RoHS 2 Directive 2011/65/EU; Directive (EU) 2015/863

### Accessories

10x38 mm 1000 V dc fuses

SPF 1000 V series fuses

FLU 1000 V series fuses

Multi-Pole Assembly Kit (Kits are used to create multi-pole holders from 1-pole LPHV fuse holders.)

### Ordering Information

CATALOG NUMBER	ORDERING NUMBER	POLES	TERMINAL TYPE	SUGGESTED TORQUE	WIRE TYPE	
LPHV001	LPHV0001Z	1	Pressure Plate	17.7 in-lbs (2 N-m)	75 °C or 90 °C CU Only	# 8-14 Stranded UL Class B and Class C wire #10-14 AWG Solid wire
LPHV002	LPHV0002Z	2				
LPHV003	LPHV0003Z	3				
LPHV004	LPHV0004Z	4				

**Multi-Pole Assembly Kit** Ordering No. CYHP0001Z-KIT  
(Kit contains 20 connector pincers & 10 handle pins.)