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

Applications

- Combiner boxes
- Photovoltaic inverters

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Specifications

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

Certification & Compliance

CE	Declaration of Conformity: EU_DOC-LPHV_210315
CSA	CSA File: 007316_0_000
UL	UL File E14721
RoHS	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.)

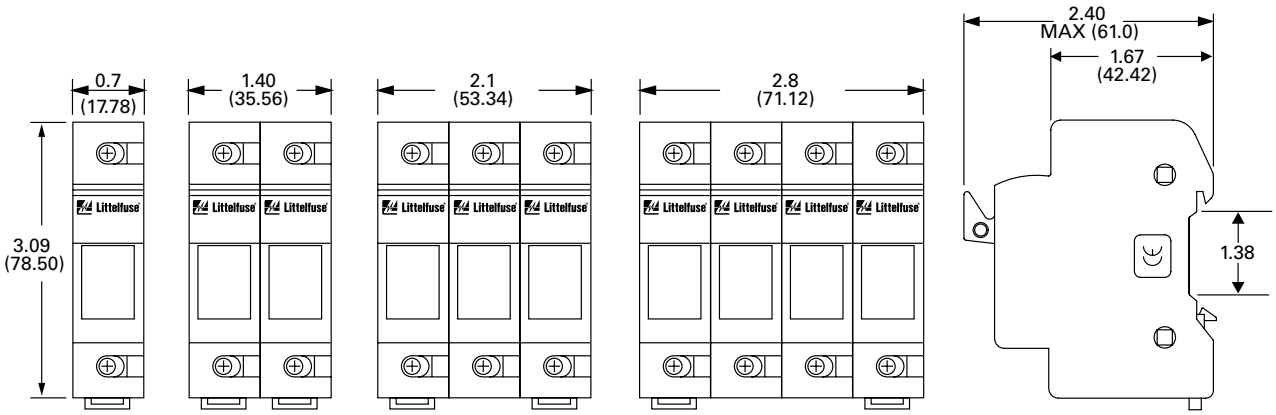
Ordering Information

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.)

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Dimensions Inches (mm)



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