

OVRHLD

Equipment Level Protection – 100A and below



Product features

- UL Listed 1449 4th edition for Type 1 SPD applications.
- Multiple Metal Oxide Varistors (MOVs), with individual current fusing and thermal disconnects for each MOV.
- LED indicates proper functioning of L-N MOVs
- 3-year standard warranty.

Available configurations

Model number	Description
OVRHLDxx-yyy-1	xxkA, yyyV, L-N, N-G (1 LED)
OVRHLDxx-yyy-2	xxkA, yyyV, L1-N, L2-N (2 LEDs)
OVRHLDxx-yyy-3	xxkA, yyyV, L1-G, L2-G (2 LEDs)
OVRHLDxx-yyy-4	xxkA, yyyV, L1-G, N-G (1 LED)
OVRHLDxx-yyy-5	xxkA, yyyV, L-N, L-G (2 LEDs)
OVRHLDxx-yyy-6	xxkA, yyyV, L-N (1 LED)
OVRHLDxx-yyy-7	xxkA, yyyV, L-G (1 LED)
OVRHLDxx-yyy-8	xxkA, yyyV, N-G (0 LED)
OVRHLDxx-yyy-9	xxkA, yyyV, L1-L2 (1 LED)

Model number: Where “xx” can be 20, 25 or 30 and “yyy” can be 120, 127, 230, or 277

Description: Where “xx” can be 20, 25 or 30 and “yyy” can be 120, 127, 230, or 277

Product specifications

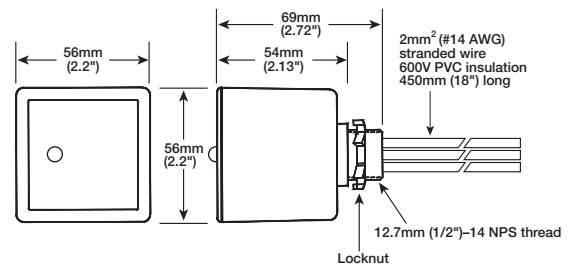
Electrical	
Nominal discharge current rating (I-n)	10kA
Operating frequency	47–63Hz
Connection methods	Parallel to load (shunt) 457.2 mm (18") 2mm ² (#14 AWG) wires Direct connect or breaker
Modes of protection	L-N, L-G, N-G
Fault rating (SCCR)	65kAIC
Response time	Less than 1 nanosecond
Standard monitoring	LED status indicator lights (one per phase)
Mechanical	
Weight	.5 kg (1 lb.)
Enclosure type	NEMA 1, non-metallic
Installation location	Indoor
Mounting method	NPS thread and aluminum bracket
Operating environment	-40° to +80°C (-40° to +176°F)
Altitude	Up to 5000 m (16,400 ft.)
Product design	Individually fused MOVs Overcurrent fusing Thermal fusing
Regulatory	
UL 1449 4th edition	Type 1
UL 1283	No
IEEE C62.41.1, .2, C62.45	Yes
Listed by	ETL
Warranty	
	3-years



Available option*	Suffix number
Mounting bracket	6

*Add applicable suffix to the end of Model number.
Example: OVRHLD20-120-16

Dimensional specifications



Dim	Millimeters (Inches)
W	56.0 (2.20)
D1	54.0 (2.13)
D2	69.0 (2.72)
H	56.0 (2.20)

Performance data

Model number	Voltage configuration	Protection modes	MCOV	UL 1449 4th edition 6kV 3000A VPR
OVRHLDxx-120	120	L-N	150	700V
		L-G	150	700V
		N-G	150	700V
OVRHLDxx-127	127	L-N	180	700V
		L-G	180	700V
		N-G	180	700V
OVRHLDxx-230	230	L-N	320	1000V
		L-G	320	1000V
		N-G	320	1000V
OVRHLDxx-277	277	L-N	320	1000V
		L-G	320	1000V
		N-G	320	1000V

Where "xx" = 20, 25, 30 kA per mode

Model number scheme

OVRHLD	XX	-	YYY	-	Z	
	kA rating		Voltage		Modes protected	
	20		120		1 L1-N, N-G	(1 LED)
	25		127		2 L1-N, L2-N	(2 LEDs)
	30		230		3 L1-G, L2-G	(2 LEDs)
			277		4 L1-G, N-G	(1 LED)
					5 L1-N, L1-G	(2 LEDs)
					6 L1-N	(1 LED)
					7 L1-G	(1 LED)
					8 N-G	(0 LEDs)
					9 L1-L2	(1 LED)

Example: **OVRHLD20-120-1**

20kA device suitable for 120V systems, designed to protect L1-N and N-G mode.

A dedicated breaker should be $\geq 20A$ at main panel or $\geq 10A$ at subpanel.

ABB Power Protection LLC

EPSB

Low Voltage Products

5900 Eastport Blvd.

Richmond, VA 23231, USA

new.abb.com/low-voltage/products

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