

# OVRHSP-60

## Surge protective devices

### Heavy duty for service entrance applications

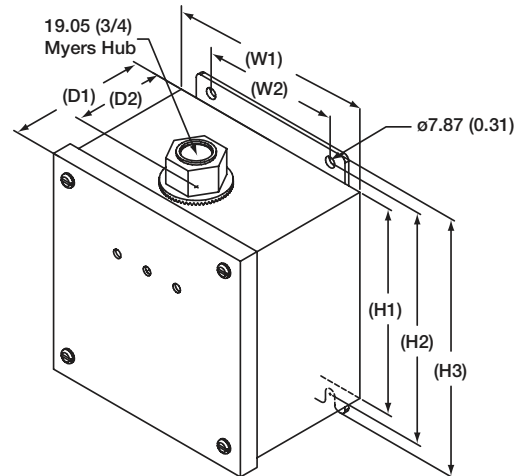
## Product features

- Listed by ETL to UL 1449 4th Edition for Type 1 and Type 2 SPD applications.
- Fail-safe design with individually fused Metal Oxide Varistors (MOVs) eliminating single point failure, protecting against both overcurrent and overvoltage events.
- 200kAIC short circuit rating permits direct bus connection to most electrical services.
- Low let through voltage ensured by the lowest possible impedance path to ground and equal current sharing during surge events.
- All weather sealed, powder-coated NEMA 4/IP65 housing is designed for any orientation and indoor/outdoor applications.
- 5-year standard warranty.



## Dimensional specifications

Dim	Millimeters (Inches)
H1	152.4 (6.00)
H2	171.5 (6.75)
H3	190.5 (7.50)
W1	152.4 (6.00)
W2	101.6 (4.00)
D1	105.7 (4.16)
D2	50.8 (2.00)



# Product specifications

## Available configurations

Model number/ Product ID	Voltage	Configuration
OVRHSP601201P 2CJB106120P0000	120V	1-phase, 2-wire + ground
OVRHSP602401P 2CJB106240P0000	240V	1-phase, 2-wire + ground
OVRHSP601202S 2CJB106120S0000	120/240V	2-phase, 3-wire + ground
OVRHSP601203Y 2CJB106120Y0000	120/208V	3-phase Wye, 4-wire + ground
OVRHSP602203Y 2CJB106220Y0000	220/380V	3-phase Wye, 4-wire + ground
OVRHSP602403Y 2CJB106230Y0000	240/415V	3-phase Wye, 4-wire + ground
OVRHSP602773Y 2CJB106277Y0000	277/480V	3-phase Wye, 4-wire + ground
OVRHSP602403H 2CJB106240H0000	120/240V	3-phase High-Leg, 4-wire + ground
OVRHSP602403D 2CJB106240D0000	240V	3-phase Delta, 3-wire + ground

Available options Add applicable suffix to end of numbers	Model number	Product ID
Advanced monitoring (Includes dry relay contacts, audible alarm, alarm silence button, fault light)	1	1
Transient filter (meets UL 1283*)	3	3
Stainless steel enclosure	4	4
Advanced monitoring and transient filter	A	5
Transient filter and stainless steel enclosure	C	7

\*Not recommended when using telecommunication rectifiers.

### Stand alone option (To be ordered as a separate item)

Flush-mount plate kit	OVRHSP-FMP
-----------------------	------------

### EMI/RFI filter attenuation

Max. attenuation frequency	41dB @ 106kHz
----------------------------	---------------

### Warranty

5-years
---------

## OVRHSP product specifications

### Electrical

Maximum surge current rating	60kA per phase, 30kA per mode
Nominal discharge current rating (I-n)	10kA
Operating frequency	47–63Hz
Connection method	Parallel to electrical distribution system
Modes of protection	All Modes (L-N, L-G, N-G, L-L)
Fault rating (SCCR)	200kAIC – no upstream over-current protection device (breaker or fuse) required
Response time	Less than 1 nanosecond
Standard monitoring	Status indicator lights (one per phase)

### Mechanical

Weight	4.5 kg (10 lbs.)
Enclosure type	Powder coated, impact-resistance steel, weather-proof NEMA 4
Installation location	Indoor/outdoor
Mounting method	Dual mounting flanges
Operating environment	-40° to +70°C (-40° to +185°F)
Altitude	Up to 4000 m (13,000 ft.)
Product design	Parallel design with individually fused MOVs

### Regulatory

UL 1449 4th edition type	Type 1
UL 1283	Yes
IEEE C62.41.1, .2, C62.45	Yes
Listed by	ETL



# Performance data

Model number	Protection mode	MCOV	ANSI/IEEE C62.41.1-2002, C62.41.2-2002, & C62.45-2002 measured limiting voltage			
			B3 ring wave 6kV, 500A	B3/C1 combo wave 6kV, 3kA	C3 combo wave 20kV, 10kA	UL 1449 4th edition 6kV, 3kA VPR
OVRHSP601201P	L-N	150V	202V	587V	1078V	600V
	L-G	150V	529V	564V	1157V	600V
	N-G	150V	548V	594V	1180V	600V
OVRHSP602401P	L-N	320V	180V	1036V	1553V	1200V
	L-G	320V	855V	989V	1483V	1200V
	N-G	150V	840V	989V	1470V	1200V
OVRHSP601202S	L-N	150V	202V	587V	1078V	600V
	L-G	150V	529V	564V	1157V	600V
	L-L	300V	290V	1029V	1667V	1000V
	N-G	150V	548V	594V	1180V	600V
OVRHSP601203Y	L-N	150V	202V	587V	1078V	600V
	L-G	150V	529V	564V	1157V	600V
	L-L	300V	290V	1029V	1667V	1000V
	N-G	150V	548V	594V	1180V	600V
OVRHSP602203Y	L-N	320V	180V	1036V	1553V	1200V
	L-G	320V	855V	989V	1483V	1200V
	L-L	600V	261V	1847V	2520V	2000V
	N-G	150V	840V	989V	1470V	1200V
OVRHSP602403Y	L-N	320V	180V	1036V	1553V	1200V
	L-G	320V	855V	989V	1483V	1200V
	L-L	600V	261V	1847V	2520V	2000V
	N-G	150V	840V	989V	1470V	1200V
OVRHSP602773Y	L-N	320V	180V	1036V	1553V	1200V
	L-G	320V	855V	989V	1483V	1200V
	L-L	600V	261V	1847V	2520V	2000V
	N-G	150V	840V	989V	1470V	1200V
OVRHSP602403H	L-N	150V	202V	587V	1078V	600V
	H-N	320V	180V	1036V	1553V	1200V
	L-G	150V	529V	564V	1157V	600V
	H-G	320V	855V	989V	1483V	1200V
	L-L	300V	290V	1029V	1667V	1000V
	H-L	470V	840V	1250V	1640V	1500V
	N-G	150V	548V	594V	1180V	600V
OVRHSP602403D	L-G	320V	855V	989V	1553V	1200V
	L-L	300V	855V	989V	1553V	1000V

All OVRHSP systems measured limited voltages are peak values ( $\pm 10\%$ ) measured from the zero reference point and are in compliance with test and evaluation procedures outlined in NEMA LS1-1992 (2000), paragraphs 2.210 and 3.10.

# Contact us

[www.abb.com](http://www.abb.com)

We reserve the right to make technical changes to the product and to the information in this document without notice. The agreed conditions at the time of the order shall apply. ABB assumes no responsibility for any errors or omissions that may appear in this document. We reserve all rights in this document and in the information contained therein. Without prior written approval from ABB, reproduction, disclosure to third parties or use of any information, in whole or in part, is strictly forbidden.

© Copyright 2016 ABB, all rights reserved

050416