

# Product data sheet

Specifications

SQUARE D



Surge protection device, HEPD,  
50kA, 120/240 V, 1 phase, 3 wire,  
SPD type 1

HEPD50

Product availability: Stock - Normally stocked in distribution facility

## Main

Product	Surge protection device
Range	Square D
Device Short Name	HEPD

## Complementary

Voltage Rating	120/240 V AC
MCOV	150 V
SCCR	25 kA
Surge Current	40 kA per phase
Voltage Protection Rating	600 V L-N 600 V L - G 1000 V L - L 900 V N - G
Nominal Discharge Current	10 kA
Rated Current	10 kA
Number of Phases	1 phase
Wiring Configuration	3-wire (isolated ground)
Local Signalling	1 LED green normal operation
Product destination	Load center
Height	3.23 in (82.04 mm)
Width	3.72 in (94.49 mm)
Depth	2.10 in (53.34 mm)

## Environment

Ambient Operating	-31...149 °F (-35...65 °C)
Enclosure Rating	NEMA 4X
Standards	UL 1449 CUL UL 1449:ed. 4: type II

## Ordering and shipping details

Category	US1DE1B08461
Discount Schedule	DE1B
GTIN	785901006626

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Returnability</b>	Yes
<b>Country of origin</b>	MX

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	3.20 in (8.128 cm)
<b>Package 1 Width</b>	5.90 in (14.986 cm)
<b>Package 1 Length</b>	8.00 in (20.320 cm)
<b>Package weight(Lbs)</b>	14.400 oz (408.233 g)
<b>Unit Type of Package 2</b>	CAR
<b>Number of Units in Package 2</b>	3
<b>Package 2 Height</b>	6.50 in (16.510 cm)
<b>Package 2 Width</b>	8.60 in (21.844 cm)
<b>Package 2 Length</b>	11.00 in (27.940 cm)
<b>Package 2 Weight</b>	3.261 lb(US) (1.479 kg)

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

 <b>Materials and Substances</b>	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	<b>WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a></b>

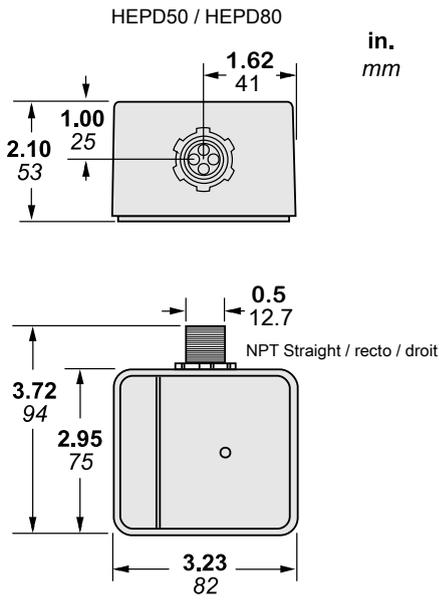
### Use Again

 <b>Repack and remanufacture</b>	
Take-back	No

Technical Illustration

Dimensions

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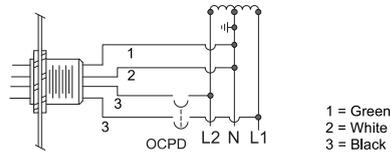
Technical Illustration

Wiring diagram

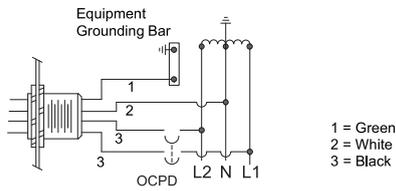
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Typical AC Surge Module Wiring Connection Diagrams

Refer to document number NVE82551 for installation instructions.



Service Entrance without Grounding Bar  
120/240 V 1Ø, 3-Wire Circuit  
OCPD = Over Current Protection Device



Sub Panel or Service Entrance with Grounding Bar  
120/240 V 1Ø, 3-Wire Circuit  
OCPD = Over Current Protection Device