Three-stage DIN Rail Surge Protector

HESP4DR



Model HESP4DR meets IEEE 1000-4-5: 1995 and IEEE C62.41-1991

The HESP4DR is housed in a sturdy DIN rail mount case with a #10 grounding screw. In order to work properly, it is important to have a good

connection between the #10 screw and a solid earth ground.

recognized standards for premium surge protectors. It protects against lightning strikes, power surges, and other types of voltage disturbances with three stages of protection for each supported line: a gas discharge tube followed by a series resistor and finally a Transient Voltage Suppresser (TVS). Five RS-232 signals on terminal blocks are supported with a

PRODUCT FEATURES

- •Three stages of protection on every data line
 - 1) Gas discharge tube
 - 2) Series resistor
 - 3) Transient voltage suppressor
- Protected signal ground connection
- Rugged terminal block connections
- Dedicated chassis ground lug
- Wide operating Temperature
- NEMA TS2

ORDERING INFORMATION

MODEL NUMBER	INTERFACE	LINES PROTECTED	MOUNTING
HESP4DR	RS-422/485	(5) RS-422/485	DIN Rail Mount

B&B ELECTRONICS

ACCESSORIES

CU15B - Copper Grounding Strap



clamping voltage of 6.8 Volts.

IN THE FIELD

Parking Lot Security Industry: Transportation – Intelligent Parking

oduct: high Energy Surge Protect



Parking HESP4DR **Surge Protection Standards**

IEC 1000-4-5: 1995 "Surge Immunity Test" and IEEE C62.41-1991 "IEEE Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits" are the recognized standards for surge protection. B&B Electronics' heavy duty surge protectors have been tested at 6 kV to meet these two specifications.

Learn more about surge suppression & isolation www.bb-elec.com/TechLibrary

- "Isolation: Your Best Investment for Reliability"
- "Dataline Isolation Theory"
- "Dataline Surge Protection"

Three-stage Surge Protector

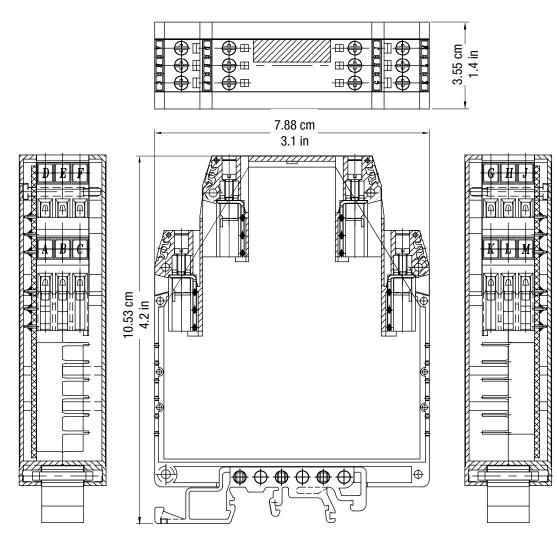
HESP4DR



SPECIFICATIONS

SERIAL TECHNOLOGY		ENVIRONMENTAL
Connectors, line	5 position terminal blocks	Operating Temperature -40 to 80°C (-40 to 176°F)
Connectors, equipment	5 position terminal blocks	Storage Temperature -40 to 85°C (-40 to 185°F)
SURGE SUPPRESSION		Operating Humidity 0 to 95% Non-condensing
Clamping Voltage	72 VDC, minimum	APPROVALS / CERTIFICATIONS - HESP4DR
- stage 1 Series Resistance	108 VDC, maximum	FCC Part 15, CISPR, EN 55022: 2010 + AC:2011 Class A Emissions
- stage 2	2.7 Ohms	CE, NEMA TS2
Clamping Voltage - stage 3	6.45 VDC, minimum 7.14 VDC, maximum	EN 61000-6-1: 2007 Generic Standards for Residential, Commercial and Light- Industrial Environments
Clamping Time	Less than 5 x10 ⁻⁹ seconds	EN 61000-4-5: 2006 Electrical Surges
Dimensions	3.55 x 7.88 x 10.53 cm (1.4 x 3.1 x 4.2 in)	Download complete Declaration of Conformity at www.bb.elec.com
Installation	DIN rail mount	
Weight	0.114 kg (4.02 oz)	

MECHANICAL DIAGRAM





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