Data Surge Protector SPD DPR Indoor Gigabit Ethernet PoE Shielded RJ45 GDT CE Compliant, EN/IEC 60950-1, CE, RoHS, UL 497B



DPR-B120
DPR Base

Features
- UL 497B, EN/IEC 60950-1, CE, RoHS
- Purpose Designed Modules for all Common Data Protocols
- Configurable Mixed Signal Protection
- RJ-45 Connectivity
- Mount into DPR Chassis, DIN-Rail Mount or Wall Mount

Applications
- Gigabit Ethernet/PoE Networks
- Telecommunications Base Stations
- WISP/ISP
- IT & Data Centers
- Point-to-Point Links
- Control Lines and Sense Loops
- Oil & Gas

Description
Data surge protector (also known as SPD or lightning protector) DPR-B120 from Transtector is an indoor style SPD that utilizes state of the art GDT technology to protect critical equipment in Gigabit Ethernet PoE protocol data networks while remaining transparent to data throughput. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by absorbing high amounts of transient energy while maintaining a very low clamping voltage. Transtector Data Signal surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Connectors		Shielded RJ45		
Compatible Cables		Cat5/5e UTP/STP, Cat6/6A STP		
Data Protocols		Gigabit Ethernet PoE		
Data Rate			1,000	Mb/s
Characteristic Impedance			100	Ohms
Series Impedance (Data)			1	Ohms
Capacitance (Differential)			5	pF
Capacitance (Common)			5	pF
Power over Ethernet Protocols		PoE		
Vdc Rating (Data)		48	60	Vdc
PoE Power			15	W
PoE Current Per Pin			300	mA

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
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Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		GDT		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		
Protection Modes		L-G, S-G		
10/1000µs Surge Current				
L-G			100	A
8/20µs Surge Current				
L-G			1	kA
L-L			1	kA
S-G			20	kA
Response Time			75	ns

Mechanical Specifications

Size

Height	0.94 in	[23.88 mm]
Width	0.97 in	[24.64 mm]
Depth	3.67 in	[93.22 mm]
Weight	0.2 lbs	[90.72 g]

Environmental Specifications

Operating Temperature	-40 to +75 deg C
Storage Temperature	-40 to +75 deg C
Mount Type	Wall, DIN, Rack
Installation Hardware	Ground Clip, 4-40 PH Phillips Screw, #4 Split Lock Washer
Grounding	DIN Clip

Compliance Certifications

CE Compliant	Yes

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UL Compliant	Yes
ANSI Compliant	Yes
Certifications	UL 497B EN/IEC 60950-1

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

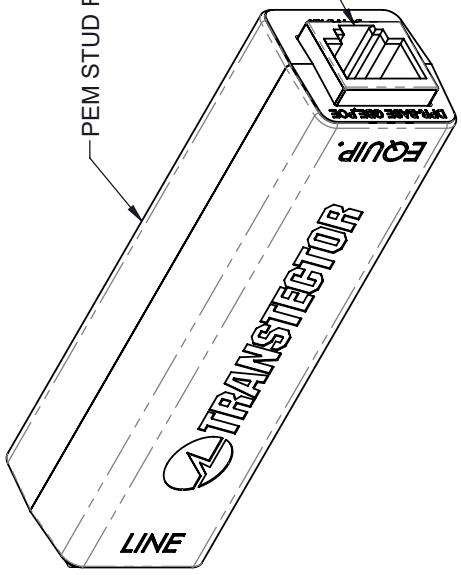
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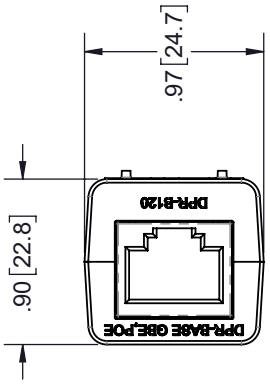
URL: https://www.transtector.com/data-surge-protector-spd-dpr-indoor-gigabit-dpr-b120-p.aspx

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DPR-B120 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/10/19	DWR







UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS
TOLERANCES:
FRACTIONS ± 1/32
.X=± .2 [5.08]
.XX=± .01 [.25]
.XXX=± .005 [.13]
ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
THIRD-ANGLE PROJECTION

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SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	30992	HMB	DPR-B120	A

SHEET 1 OF 1
SCALE 1:1

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T-Rev A

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