

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



## DPR-F140

### Features

- NEMA TS2 Tested and Compliant
- 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

- Traffic Control Systems
- 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-F140 from Transtector is an indoor style SPD that utilizes state of the art SASD/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.

### Specifications Table

Description	Minimum	Typical	Maximum	Units
Connectors		Shielded RJ45		
Data Protocols		Gigabit Ethernet PoE++		
Data Rate			1,000	Mb/s
Characteristic Impedance			100	Ohms
			1	Ohms
Capacitance (Differential)			30	pF
Capacitance (Common)			5	pF
Power over Ethernet Protocols		PoE++		
Vdc Rating (Data)		48	60	Vdc
PoE Power			100	W
PoE Current Per Pin			1.5	A

Electrical Specification Notes:

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, GDT		
Protected Pins		[1,2], [3,6], [4,5], [7,8]		
Protection Modes		L-G, L-L, S-G		

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## DPR-F140

### Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
			100	A
...L-L			2	kA
...S-G			0.1	kA
Response Time			20	kA
			5	ns

### Mechanical Specifications

#### Size

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

Mechanical Specification Notes:

### Environmental Specifications

#### Temperature

Operating Temperature	-40 to +75 deg C
Storage Temperature	-40 to +75 deg C

Environmental Specification Notes:

### Installation

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
UL Compliant	Yes
Certifications	UL 497B EN/IEC 60950-1 NOM NEMA TS2

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Ethernet PoE++ Shielded RJ45 SASD, GDT  
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## DPR-F140

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Data Surge Protector SPD DPR Indoor Gigabit Ethernet PoE++ Shielded RJ45 SASD, GDT CE Compliant, EN/IEC 60950-1, UL 497B DPR-F140](https://www.transtector.com/data-surge-protector-spd-dpr-indoor-gigabit-dpr-f140-p.aspx)

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# DPR-F140 CAD Drawing

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

  

PEM STUD FOR DIN CLIP OR RACK MOUNT

2X SHIELDED RJ-45 JACKS LINE/EQUIP

.90 [22.8]

.97 [24.7]

  

3.43 [87]

3.67 [93.2]

  

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 .X±.2 [5.08] FRACTIONS ± 1/32  
 .XX±.01 [.25] ANGLES ± 1°  
 .XXX±.005 [.13]

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE 1:1

  

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SIZE A CAGE 30992 DRAWN BY HMB PART NUMBER DPR-F140

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