

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



### DPR-F140 DPR Fit

#### 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-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.

#### 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)			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

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](#)

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### 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		
10/1000µs Surge Current				
L-G			100	A
8/20µs Surge Current				
L-G			2	kA
L-L			2	kA
S-G			20	kA
Response Time			5	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	1 lbs	[453.59 g]

### Environmental Specifications

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

### Installation

Mount Type	Wall, DIN, Rack
Installation Hardware	Ground Clip, 4-40 PH Phillips Screw, #4 Split Lock Washer
Grounding	DIN Clip

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#### Compliance Certifications

CE Compliant	Yes
UL 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-f140-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

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DPR-F140 CAD Drawing

