

Data Surge Protector SPD PDS Outdoor 24 Vdc Analog/Digital Signal Lines Wired Leads SASD, GDT CE Compliant



1101-586 PDS 1

Features

- Specially Designed for Wastewater Treatment Applications
- Sealed with Wired Leads for Connectivity
- Conduit Hub Mount

Applications

- 24 Vdc Analog/Digital Signal Lines Networks
- Wastewater Treatment
- Control Lines and Sense Loops
- Oil & Gas

Description

Data surge protector (also known as SPD or lightning protector) 1101-586 from Transtector is an outdoor style SPD that utilizes state of the art SASD technology to protect critical equipment in 24 Vdc Analog/Digital Signal Lines 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

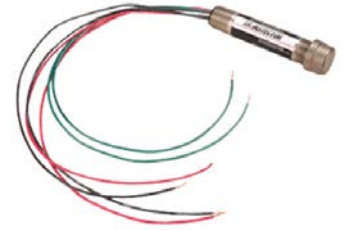
Description	Minimum	Typical	Maximum	Units
Connectors		Wired Leads		
Data Protocols		24 Vdc Analog/Digital Signal Lines		
Capacitance (Differential)			8	pF
Capacitance (Common)			8	pF
Vdc Rating (Data)		24	28	Vdc

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		
10/1000µs Surge Current				
L-G			100	A
L-L			100	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 PDS Outdoor 24 Vdc Analog/Digital Signal Lines Wired Leads SASD, GDT CE Compliant 1101-586](#)

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8/20 μ s Surge Current			
L-G		10	kA
L-L		10	kA
Vpl 10/1000 μ s			
L-G	250 @ 100A		Vpk
L-L		250 @ 100A	Vpk
Vpl 8/20 μ s			
L-G	125 @ 3kA		Vpk
L-L	125 @ 3kA		Vpk
Response Time		5	ns

Mechanical Specifications

Size

Height	5.84 in	[148.34 mm]
Width	0.9 in	[22.86 mm]
Weight	0.1 lbs	[45.36 g]

Environmental Specifications

Operating Temperature	-40 to +65 deg C
Storage Temperature	-40 to +65 deg C

Environmental Protection Rating	IP54/IP4X
Mount Type	1/2" Pipe Mount

Compliance Certifications

CE Compliant	Yes
Hazardous Locations	Yes
Certifications	FM Approved CE Ex AEx/EX nA IIC T4 Gc Tamb=- 40C to +65C Class 1 Div 2 Groups A,B,C,D T4A Tamb=-40Cto+65C II3 G Ex nA IIC T4= -40C to +65C FM10ATEX0002X

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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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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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1101-586 CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	1/21/19
		APPROVED DWR

$5.84 [148.4]$
 $\phi .90 [22.9]$
 SERVICE WIRE LEADS
 $1.06 [26.9]$

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: .X±.2 [5.08] FRACTIONS ± 1/32 XX±.01 [.25] ± 1/32 XXX±.005 [.13] ANGLES ± 1° ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. THIRD-ANGLE PROJECTION		<p>TRANSTECTOR</p> 10701 AIRPORT ROAD, HAYDEN, ID, 83835 PHONE: 1.208.635.6400 1.800.882.9110 FAX: 1.208.955.2041 www.transactor.com e-mail: sales@transactor.com
THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR CORPORATION. ALL RIGHTS RESERVED.	SHEET 1 OF 1 SCALE 1:2	REV A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	30992	HMB	1101-586	A

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