

DC Surge Protector SPD DRI Indoor DIN-Rail 170 Vdc, Single-Mode SASD

1101-870 DRI 120



Features

- 100% SASD Protection
- Suppression Status LED
- Dry Contact Remote Annunciation Terminals
- Replaceable Suppression Module
- DIN-Rail Mount

Applications

- Industrial Automation
- Controls & Sense Loops
- Telecommunications Base Stations
- IT & Data Centers
- Wastewater Treatment
- Rail
- Oil & Gas
- LED Lighting

Description

DC surge protector (also known as SPD or lightning protector) 1101-870 from Transtector is a DIN-Rail style SPD that utilizes state of the art SASD technology to protect critical equipment that operates on a 120 Vac Single/Phase electrical service. 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 safely shunting high amounts of transient energy while maintaining a very low clamping voltage. Transtector DC surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages		170		Vdc
Current Rating			5	A
Maximum Continuous Operating Voltage (MCOV)				
MCOV DC			180	Vdc

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD		
Surge Protection Modes		Supply to GND, Supply to Supply		
Response Time			5	ns
VPL 8/20 μ s L-G			320 @ 3000A	Vpk
VPL 10/1000 μ s			290 @ 85A	Vpk

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[DC Surge Protector SPD DRI Indoor DIN-Rail 170 Vdc, Single-Mode SASD 1101-870](#)

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Mechanical Specifications

Size

Height	3.36 in	[85.34 mm]
Width	2.06 in	[52.32 mm]
Depth	1.67 in	[42.42 mm]
Weight	0.35 lbs	[158.76 g]
Housing Material and Plating	Nylon	

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C
Storage Range	-40 to +85 deg C
Humidity	99% non-condensing

Installation

Mount Type	DIN-Rail
Service Wiring Terminal Cage Clamp	#28 to #12 AWG
Status Indication Terminal 3 Pin Contact	#28 to #12 AWG

Compliance Certifications

CE Compliant	Yes
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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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [DC Surge Protector SPD DRI Indoor DIN-Rail 170 Vdc, Single-Mode SASD 1101-870](https://www.transtector.com/dc-surge-protector-spd-dri-indoor-din-1101-870-p.aspx)

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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.

1101-870 CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	1/17/19
	APPROVED	DWR

1.67 [42.4]

2.87 [72.8]

3.47 [88]

REPLACEABLE DR SUPPRESSION MODULE

WAGO CAGE CLAMP TERMINAL BLOCK FOR IN/OUT SERVICE WIRING, DIN-RAIL MOUNTING FOOT

2.06 [52.3]

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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SCALE 1:2

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SIZE CAGE DRAWN BY PART NUMBER
 A 30992 HMB 1101-870

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