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ISPD - Industrial Surge Protection Devices

Industrial Power Protection Portfolio

NEW

Introduction

ISPD 12

AC Power



DC Power



Signal Line



Industrial Power Protection Portfolio

Electrical safety foundation reports that 34% of unplanned power outages are caused by power surges and unexpected resetting or mis-operation of equipment commonly also caused by power surges.* With a significant growth of interconnected, smart equipment and sophisticated electronic devices, the National Electric Code (NEC) continues to increase requirements in surge protection in different applications to ensure safety of personnel and equipment.

Siemens Industrial Surge Protective Devices (ISPDs) offer a reliable DIN-Rail mountable solution for increasing NEC requirements to safeguard your critical equipment and safety circuits. In today's industrial environment, protection from damaging power surges is essential to maintaining smooth operations and minimizing costly downtime. Our complete portfolio protects your AC power, DC power, and signal line communications, covering all industrial applications.

* Source: esfi.org

ISPD - Industrial Surge Protection Devices

AC Power Protection **NEW**

Selection

AC Power Protection

AC Power Protection

- UL 1449 Type 1 Devices
- Replaceable Modules
- Remote Contacts Standard
- Surge Current Rating = 35kA/50kA
- UL SCCR = 100kA – 200kA
- Available Voltages:
AC - 120V, 240V, 277V, 347V, 480V and 600V

ISPD AC Power Part Numbers

Catalog numbers	Description
120V Nominal Voltage	
ISPD1201050R	1P L-N Only 120V AC
ISPD1202050R	2P 120V Split AC
ISPD1203050R	3P 120V Split + N AC
ISPD1204050R	4P 120/208V Wye AC
240V Nominal Voltage	
ISPD2401050R	1P 240V AC
ISPD2402050R	2P 240V Split AC
ISPD2403050R	3P 240V Split + N or 240V Delta AC
ISPD2404050R	4P 240V AC
277V Nominal Voltage	
ISPD2771050R	1P 277V AC
ISPD2772050R	2P 277V AC
ISPD2773050R	3P 480/277V Wye AC
ISPD2774050R	4P 480/277V Wye + N AC
347V Nominal Voltage	
ISPD3471050R	1P 347V AC
ISPD3472050R	2P 347V AC
ISPD3473050R	3P 600/347V Wye AC
ISPD3474050R	4P 600/347V Wye + N AC
480V Nominal Voltage	
ISPD4801050R	1P 480V AC
ISPD4802050R	2P 480V AC
ISPD4803050R	3P 480V Delta AC
ISPD4804050R	4P 480V AC
600V Nominal Voltage	
ISPD6001035R	1P 600V AC
ISPD6002035R	2P 600V AC
ISPD6003035R	3P 600V Delta AC

Replacement Modules

ISPD120M050	120V AC Replacement Module
ISPD240M050	240V AC Replacement Module
ISPD277M050	277V AC Replacement Module
ISPD347M050	400V AC Replacement Module
ISPD480M050	480V AC Replacement Module
ISPD600M050	600V AC Replacement Module

 Most common voltage configurations



ISPD 1P 120V
L-N AC only



ISPD 2P 120/240V
Split-Phase AC

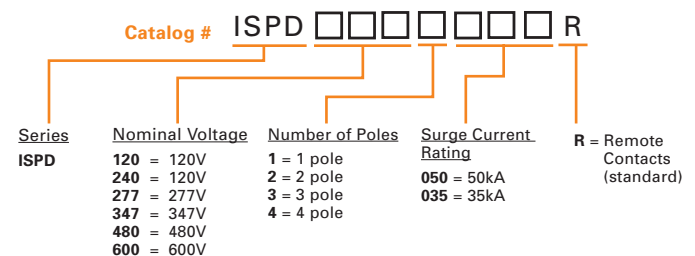


ISPD 3P 480 277V WYE AC



ISPD 4P 600 347V WYE + N AC

Catalog Logic



ISPD - Industrial Surge Protection Devices

DC Power Protection — 24VDC and PV Solar

NEW

Selection

DC Power Protection

24V DC Protection

- UL 1449 Device
- Replaceable Module
- Green/Red LED Status

PV Solar Protection

- UL 1449 Type 1 Devices
- Replaceable Modules
- Remote Contacts Standard
- 1000VDC & 1500VDC

ISPD DC Power Part Numbers

Full Unit Catalog numbers	Replacement modules Catalog numbers	Description
ISPD1000PV040R	ISPD500PVM040	Higher Voltage PV Full unit / Replacement module
ISPD1500PV040R	ISPD750PVM040	Higher Voltage PV Full unit / Replacement module
ISPD24DC	ISPD24DCM	24V DC Power Din Rail



ISPD 1500V PV



24V DC Power Din Rail

ISPD - Industrial Surge Protection Devices

Signal Line Protection **NEW**

Selection

Signal Line Protection

ISPD Signal Line Protection

- UL 497B 4th Edition
- Available for 5V, 12V, 15V, 24V Applications
- Protects:
 - 4-20mA Data Signals
 - Paired Loop
 - FieldBus Communications
- Replaceable Modules
- Optional LED Status Indication Receiver/Transmitter
- Cat 6 POE



ISPD Signal Line Part Numbers

Catalog numbers	Catalog numbers for Replacement modules	Description
ISPD12SL	ISPD12SLM	For Signal Line Communications – 12V
ISPD12SLLF	ISPD12SLLFM	For Signal Line Communications – 12V Low Frequency
ISPD24SL	ISPD24SLM	For Signal Line Communications – 24V
ISPD24SLLF	ISPD24SLLFM	For Signal Line Communications – 24V Low Frequency
ISPD24SP	ISPD24SPM	For Single Pair Communications – 24V
ISPD24SPLF	ISPD24SPLFM	For Single Pair Communications – 24V Low Frequency
ISPDPOE	—	For LAN Cat 6 Networks
ISPD05SB	ISPD05SBM	For Industrial Fieldbus Systems – 5V
ISPD05SBLF	ISPD05SBLFM	For Industrial Fieldbus Systems – 5V Low Frequency
ISPD12SB	ISPD12SBM	For Industrial Fieldbus Systems – 12V
ISPD12SBLF	ISPD12SBLFM	For Industrial Fieldbus Systems – 12V Low Frequency
ISPDBASECOMT	—	Signal Line Base Transmitter
ISPDBASECOMR	—	Signal Line Base Receiver



ISPD - Industrial Surge Protection Devices

Notes

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Siemens:](#)

[ISPD2401050R](#) [ISPD1500PV040R](#) [ISPD2771050R](#) [ISPD3471050R](#) [ISPD4803050R](#) [ISPD6003035R](#)
[ISPD2773050R](#) [ISPD6002035R](#) [ISPD1201050R](#) [ISPD4802050R](#) [ISPD1202050R](#) [ISPD1204050R](#) [ISPD1203050R](#)
[ISPD2403050R](#) [ISPD3472050R](#) [ISPD3473050R](#) [ISPD2404050R](#) [ISPD2774050R](#) [ISPD4801050R](#) [ISPD2402050R](#)
[ISPD3474050R](#) [ISPD1000PV040R](#) [ISPD4804050R](#) [ISPD2772050R](#) [ISPD6001035R](#)