

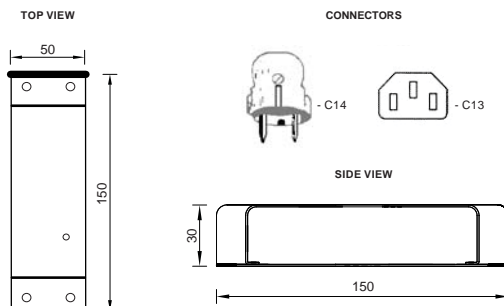
## ACDC SURGE PROTECTOR

### THREE (3) STAGES SERIES PROTECTOR 1/1

#### PLUG IN INSTALLATION



Metal Enclosures



### Innovation Approach to Surge Protection

ACDC Multi-Stage Surge Protectors have built-in five (5) patents and use four (4) complementary different protection technologies, (Varistor, Gas Tube, Nanocrystalline Cores and TVS technology) in one unit. That result with reducing the surge current up to 99.9% at single point.

This characteristic can not offer competitive surge products and present a fundamental improvement in Surge Protection technology. Implementation of ACDC Surge Protectors are simple and applicable for professions such as planners, construction engineers, designers, electricians and others.

### Type-PV 29 Pink Series

Single Phase CLASS II+III

Load Rating: 120VAC /230VAC & 8A

Total Surge Cur.: 55kA (8x20μs)

Response Time: < 1ns



- Size (WxDxH): 150x50x30mm
- Led Lamp Signalization

**AC DC MOS Protector Type - PV 29 Pink Series** is compact stand alone multi-stage surge protector consists of 3 (three) & 8A protection stages that provides effective and reliable protection against surges and transients. The protection device have high grade cascade bi-directional EMI/RFI filtering of phase (L) and neutral (N) wire.

**Application:** The scope of applications of ACDC Surge Protectors is quite wide and refers to the protection of electrical devices against impulse surge and high-frequency (electromagnetic) disturbance, oscillation, speaks in network power supply and atmospheric discharge. ACDC protectors have high-grade cascade bidirectional filtering. They are tracking AC waveform eliminating so-called pollution in power AC supply.

These protectors have special design to protect and improve functioning of sophisticate equipment as Computers, Telecommunications, Medical equipment, Home electrical appliances and other.

**Technical Specifications:** The surge Protector of type ACDC Surge Protector - Pink Series is 3 (three) stages Single Phase Protector in metal enclosures with applications for load currents of up to 8A.

**Installation:** The surge Protector of type ACDC Surge Protector - Pink Series is compact stand alone unit and it is install quickly and easily to standard electrical Schuko outlets on principle PLUG and PLAY. The option for connectors is C13 and C14 plug or terminal block.

**Reliability:** If the stages 1 and 3 are out of function, the stage 2 is still provide a high grade bi-directional filtering.



## Technology

Multi-Stage Surge Protection  
Three (3) Stages Series Protector

## Specification

Bi-directional EMI-RFI filtering of  
phase (L) and neutral (N) wire

## Load

Up to 8A single phase; up to 900W load for  
120VAC; up to 1,6kW load for 230VAC

## Basic

In the front is installed fuse 10A  
Indication for load

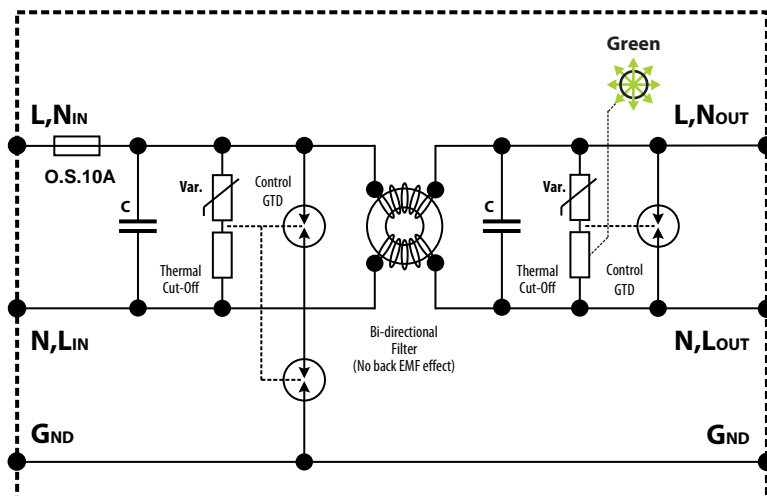
## Installation

Plug-in installation, schuko plug, connectors C13  
and C14, terminal block or acc. requirements

## Product Standard

IEC61643-1 Class II+III; IEC60939-2

## Basic Circuit Diagram - Pink Series:



Protection Stage	Technical Specification ACDC Surge Protector Type-PV 29 Pink Series	Function	Technology
1. First stage	Surge Cur. 40kA (8/20μs)	Suppression signal shape (L-N), 8/20μs	Varistor with thermal cut-off, Control Gas Tube Discharge
2. Second stage	L=10mH; I <sub>max</sub> =up to 8A	Bi-directional EMI/RFI filter; Front signal edge reduction;	Nano Crystalline Core (L-C configuration)
3. Third stage	Surge Cur. 15kA (8/20μs)	Suppression signal shape (L-N), 8/20μs	Varistor with thermal cut-off, Control Gas Tube Discharge

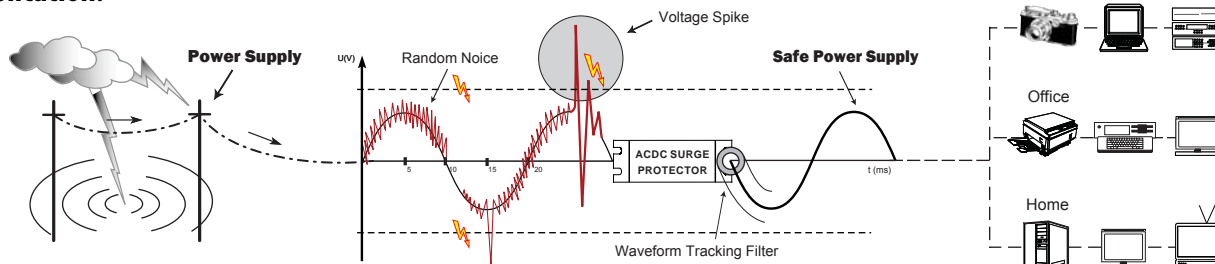
## Single Phase

## ACDC Surge Protectors Type - PV 29 Pink Series



Type	Type - PV 29
Order Code	400.115
Total Surge Cur.	55kA (8/20μs)
Dimension (WxDxHmm)	150x50x30
Weight (kg)	0,47

## Application:



Certificate of Quality ISO 9001:2008  
Varistors Standard IEC 61643-1; UL 1449  
Elect. Magn. Interfer. IEC 60939-2  
Protec. Standard acc. IEC 61643-1 Class II +III

## Applications:

Computers  
Servers  
Telecommunication  
Medical equipment  
Sensitive electronic  
Audio & Video  
Industrial grade

## Features:

Integrate Multi - Stage Protection System  
Three Protection Stages  
Bi-directional Wave Filtering  
Expel Ground Contamination  
Thermal Circuit Protection  
High Reliability  
Excellent Response Time