

Active Surge Protector Injector **ASPI**



2 Stages
tvs - gdt

ASPI Surge
protector

15 Ka peak
surge current

A - B PoE
mode

CMD Remote
management

LAN Galvanic
isolated

1 MS Short circuit
protection



9dot

Smart solutions for new energy systems

Gigabit Surge Protector Injector with Active Protections

Gigabit PoE multi mode

PoE method can be selected through simple switches. it can power both Mode A and Mode B PoE devices and both strict or reverse polarity devices.

Surge Protection

Devices connected are protected against electrostatics surge and electric shocks. The combination of different types of dischargers maximizes efficiency and reduces action time.

Remote Control

Connect the injector to the Controller Unit in order to switch it on and off remotely and monitor load and alarm state via web or SNMP

Galvanic Isolation

Galvanic Isolation protects circuits and people against surge between input side and output side. This results in the best protection for your devices and for you.

Active Protection

The microprocessor controls each life parameters of the injector and protects against overvoltage, overload and short circuit. In alarm mode the injection is disabled for 10 seconds and enabled again automatically.

Rack Mount Panel

Each module can be placed in a 2U rack mount panel. The panel can handle up to 12 units.



Smart Power Module System

Electrical Specifications

Operating Voltage	10 - 60 Volts AC/DC
Max Current	2 A on PoE + Data port

Ports and Interfaces

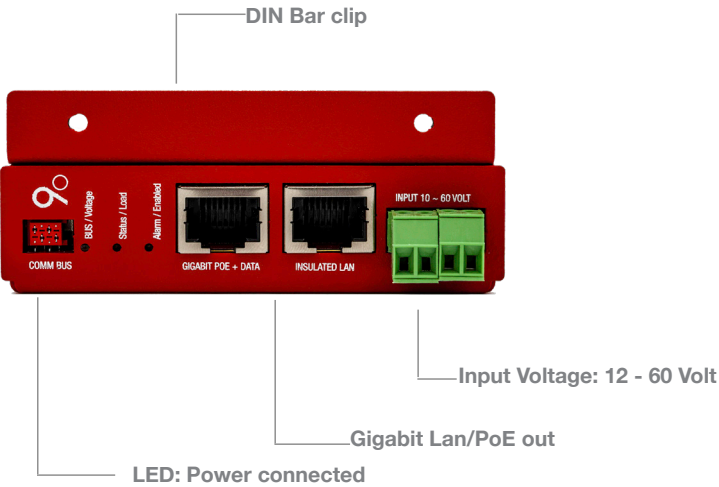
Power Connector	2 x 1.5 mm ² wires terminal block
Ethernet Connectors	2 x Shielded RJ45 Jacks (LAN/PoE + Data)
GND Connector	4 mm lug
BUS Connector	Yes
POE mode	Selectable (A, B, A+B, A reverse polarity, B reverse polarity, A+B reverse polarity)
Transmission Speeds	10BaseT; 100BaseT; 1000BaseT
Leds	3 x LEDs (Status, Alarm, BUS)
Active Protection	Short Circuit Protection, Overvoltage control, Overload control

SPD Specification

Spark Over Voltage	150 Volts
Peak Surge Current	15k A
Modes of Protection	All Lines (1-8) Protected (L-L) and (L-G)
SPD Technology	2 stages: TVS, GDT

Environmental

Operating Temperature	-40°C to + 80°C
Humidity	0 - 95% non condensing

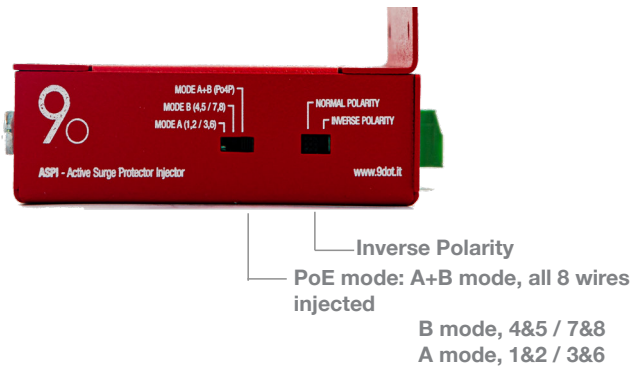


Mechanical Specifications

Dimension (LxWxD)	88 x 78 x 24 (36 with flange) mm
Weight	75g
Enclosure Material	Varnished Iron
Mounting	Rack mount (with optional Staffa Rack) or DIN Rail (with optional DIN Clip)

Compliance and Warranty

EMC	EN 55022 Class B, EN61000-4
Certifications	CE
Rohs Compliant	Yes
Warranty standard	1 year from date of purchase



TERMS OF USE: This device must be professionally installed. Shilded ethernet cable and earth grounding must be used as condition of product warranty. All specifications in this document are subject to change without notice.
For further information please visit www.9dot.it

