

# Surge Protector Injector **8INJ**



**9.KEY** Ports mapping  
**2** Stages tvs - gdt  
**SPI** Surge protector  
**LAN** Galvanic isolated  
**15** kA peak surge current

## PoE Gigabit Injector

### **8INJ is a Gigabit PoE injector with 8 Rack mount ports**

8INJ is a Power over Ethernet injector with integrated surge protection device belonging to the Smart Power Module System family: a simple system designed to power up to 8 Power over Ethernet devices where Plug n 'Play assembly is required. Each PoE port works independently and ensures the highest level of reliability and security.

### **Ports features**

16 x RJ 45 shielded (8 x data in, 8 x PoE + data).  
8 x DC input terminal blocks.

### **Multi PoE 9.KEY Port Mapping**

Compatible with all types of PoE devices. The pinout is defined by the hardware key.

### **Galvanic isolation**

Galvanic isolation protects circuits and people from overvoltage between the inlet side and the outlet side. This results in the best protection for your devices and for you.

# Smart Power **Module System**

## Electrical Specifications

Operating Voltage	10 - 60 Volts AC/DC
Max current	3A per door (with A + B or 9.S Key), 1.5A per door (with B or B reverse Key)
Power Connector	8x cable terminal 2x4 mm
Ethernet Connectors	16x shielded RJ45 jack (8x LAN, 8x PoE+DATA)
GND Connectors	4 mm
BUS Connectors	No
Transmission Speeds	10BaseT; 100BaseT; 1000BaseT
POE mode	PoE output mapping selectable via 9.KEY
Indicators	3 green LEDs per port (input voltage, port identifier, 9.K inserted)
Active protection	Reverse polarity protection at the input terminals

## SPD Specifications

Spark over voltage	150 Volt
Peak Surge Current	15kA
Modes of Protection	All lines (1-8) Protected (L-L) and (L-G)
SPD Technology	2 stages: TVS, GDT

## Environmental

Operating Temperature	-20°C to +45°C
Humidity	0 - 95% non-condensing

## Mechanical Specifications

Dimensions (LxPxH)	105x445x45 mm
Weight	2kg
Material	Varnished Iron

## Compliance & Warranty

RoHS compliance	Yes
Certifications	CE
Warranty	1 year from date of purchase

**TERMS OF USE:** This device must be professionally installed. Shielded 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](http://www.9dot.it)

