



## ESP-300

### Surge Protector

#### Overview

---

The IFS® Ethernet Surge Protector is the ideal solution to protect valuable Ethernet equipment from potentially damaging electrical surges or lightning strikes. The surge protector provides up to 20KA protection on Ethernet cable runs, including support for Power Over Ethernet (PoE) applications.

The module offers easy, plug-and-play installation by providing two passive 10/100/1000Base-T interfaces for connection between two Ethernet devices and one ground screw for grounding the device to earth-ground.

The unit is designed with one unprotected port and one protected port to help prevent entry of electrical surges through outdoor Ethernet cable runs.



#### Standard Features

---

- 20KA lightning surge protection
- Two passive 10/100/1000 Ethernet Ports
- Supports PoE-at/af pass-through
- One ground position

# ESP-300

## Surge Protector

### Specifications

Ethernet	
Data Rate	10/100/1000Mbps
Ethernet Connectors	RJ45 (2)
Ground	Screw (1)
Electrical & Mechanical	
DC spark-over voltage	230V, ±20%
Nominal impulse discharge current (wave 8/20?s)	20KA
Arc Voltage at 1A	~35V
Glow to arc transition current	~1A
Glow voltage	~200V
Enclosure	Metal
Dimensions (H x W x D)	2.55 x 1.65 x .787 in. (65 x 42 x 20mm)
Weight	0.176 lbs./80 grams
Environmental	
Operating Temperature	-0°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0% ~ 90% (non-condensing)

### Ordering Information

Part No.	Description
ESP-300	Surge Protector

