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.



Details

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

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Technical specifications

General

Category	Surge Protection
Port type	10/100/1000

Physical

Physical dimensions	65 x 42 x 20 mm 2.55 x 1.65 x .787 in.
Net weight	80 g 0.176 lbs.
Material	Metal

Environmental

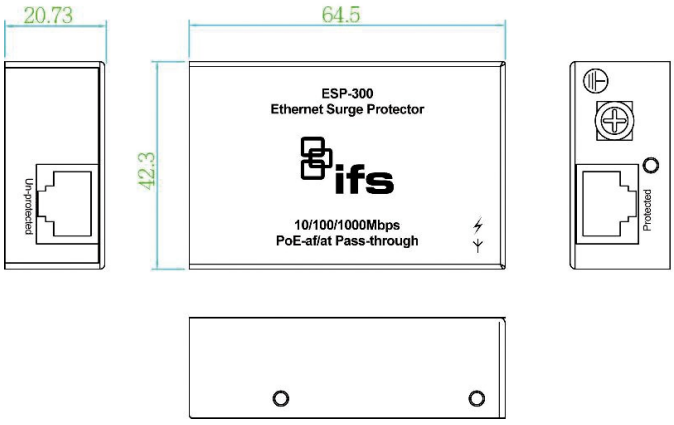
Operating temperature	0 to +50°C
Storage temperature	-20 to +70°C
Relative humidity	0 to 90% noncondensing
Environment	Indoor

Ethernet

Ethernet Connectors	RJ45 (2)
Ground	Screw (1)

Electrical & Mechanical

DC spark-over voltage	230 V, ±20%
Nominal impulse discharge current (wave 8/20?s)	20 KA
Arc Voltage at 1A	~35 V
Glow to arc transition current	~1 A
Glow voltage	~200 V



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