# 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 | Overspændingsbeskyttelse |
| Port type | 10/100/1000 |

### Physical

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

### Environmental

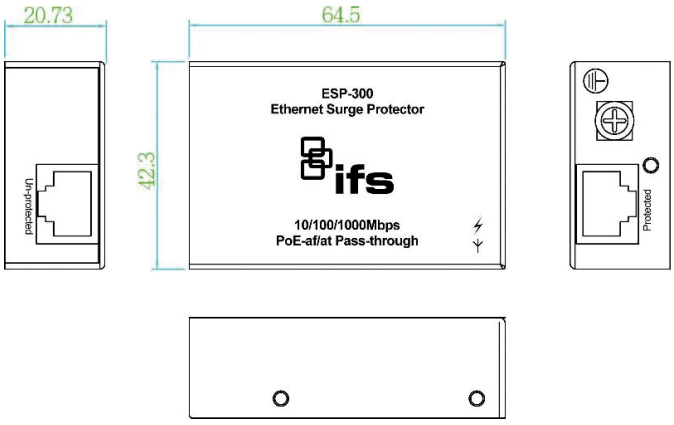
| | |
|---|---|
| Operating temperature | 0 to +50°C |
| Storage temperature | -20 to +70°C |
| Relative humidity | 0 to 90% noncondensing |
| Environment | Indendør |

### 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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