FEATURES

- ✓ Multistage transient protection
- ✓ All Mode Protection
- ✓ Surge current fusing
- ✓ DIN Rail mount
- ✓ Polycarbonate enclosure

PRODUCT DESCRIPTION

Surge protection is required to reduce the risk of potentially high voltage spikes into the system.

Whilst all FireSense fire alarm equipment contains surge protection, it cannot absorb all the energy as well as a stand-alone surge protector.

Signal Line Protectors are provided to protect any type of control and automation signalling line equipment, such as PLC's and fire alarm equipment. They provide high energy multistage transient protection for highly exposed circuits.

They all feature "All Mode Protection", ensuring protection between a signal pair and its earth. This is called "Common Mode" but also monitoring between two or more signal lines is called "Transient mode".

Multistage transient protection delivers greater levels of protection through a staged approach. The primary stage absorbs the majority of the surge. The remaining stages provide clamping and a degree of redundancy.

Surge protection fusing is also included with the surge protectors. Surge current fuses allow components to absorb maximum energy but in the event of a component failure the fuse will go open circuit isolating themselves from the circuit.
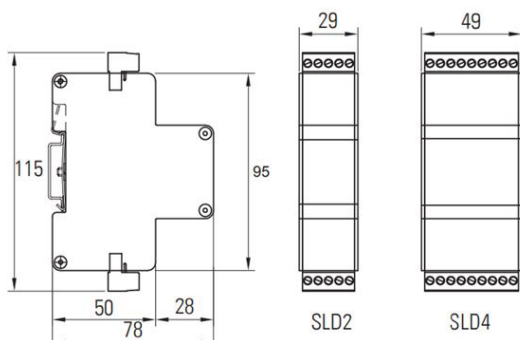
Note: This is an indent item, lead times may apply.

DIMENSIONS

SURGE-AZF: 49mm W x 116mm H x 68mm D
SURGE-24V: 29mm W x 116mm H x 68mm D
SURGE-RS485: 29mm W x 116mm H x 68mm D

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ELECTRICAL SPECIFICATIONS

Application	*24V fire alarm circuit*	*24V power (2A max.)*	*RS285 comms*
FS part number	SURGE-AZF	SURGE-24V	SURGE-RS485
Number of pairs	4	2	2
Connection type	Series		
Modes of protection	Transverse and common modes		
Typical voltage	24Vdc	24Vdc	-
Max continuous voltage	34Vdc	34Vdc	8V
Max discharge current (8/20µs)	10kA per line		
Mac load current	250mA	2A	500mA
Protection stages	Multistage		
Voltage protection level @ 1kv µs	39V	39V	19V
Series resistance (Ohms)	8.2Ω	8.2Ω	3.9Ω

MECHANICAL SPECIFICATIONS

Operating temperature/humidity	-40 to 85ºC / 0 to 90% non-condensing		
Connection type	2.5mm^2 pluggable		
Environmental IP rating	IP20		
Mounting	TS35 DIN rail		
Enclosure/colour	Metal Black		
Weight	400g	300g	300g