

## SURGE PROTECTION DEVICE FOR TELECOM

A telecommunication is a highly sensitive industry as it is based on electronics. A telecom equipments are chip based devices which demands reliable protection from damaging surges or transients. Surge is defined as a significant increase in voltage above the designated level in a flow of electricity which lasts for 3nano seconds. Surges in the power and copper based telephone lines can also originate from lightning strikes that have struck objects some distance from the actual site, in many cases, even miles away. It is important to have adequate surge protection on the AC mains and on telephone lines.

JMV has developed a range of surge protection modules for low voltage lines or telecom equipment connected to the network via a splitter connection strips (LSA +) or MDF connector block. These surge protectors are designed to protect telephone equipment connected to the telecom network through a MDF equipped with connection strips. The mechanical design allows instantaneous installation, without wiring modification, on the connection system and fast maintenance. These products are in compliance with analog or high speed digital telecom networks.

### Features

- For analog or high speed telecom lines
- Disassembly-free and screw-free
- With core surge suppressed elements
- Low limiting voltage
- High discharge current
- No signal change
- Provides protection against electrical transients
- Commendable functionality
- Easy installation with no wiring
- Reliable & durable
- Cost effective solution



<b>Technical Datasheet for 24V/48V Signal Surge Protector</b>	
<b>Model</b>	<b>BDL/D/10L</b>
Housing material	Metal
Color	Green
Mounting Type	Wall
Height	41 mm
Width	147.2 mm
Length	224 mm
Direction of action	L-L & L-Earth Ground
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
<b>Protective circuit</b>	
Rated voltage(Un)	24 V
Maximum continuous operating voltage	180 V
Nominal surge discharge current In(8/20)µs	5 kA
Maximum discharge surge current(8/20)µs	20 kA
Voltage protection level(U <sub>p</sub> )	< 0.5 kV
Response time(tr)	≤ 25 ns
Protection mode	Full mode protection
<b>Standards</b>	
Standards/regulations	IEC 61643-21
	EN 50173-1