



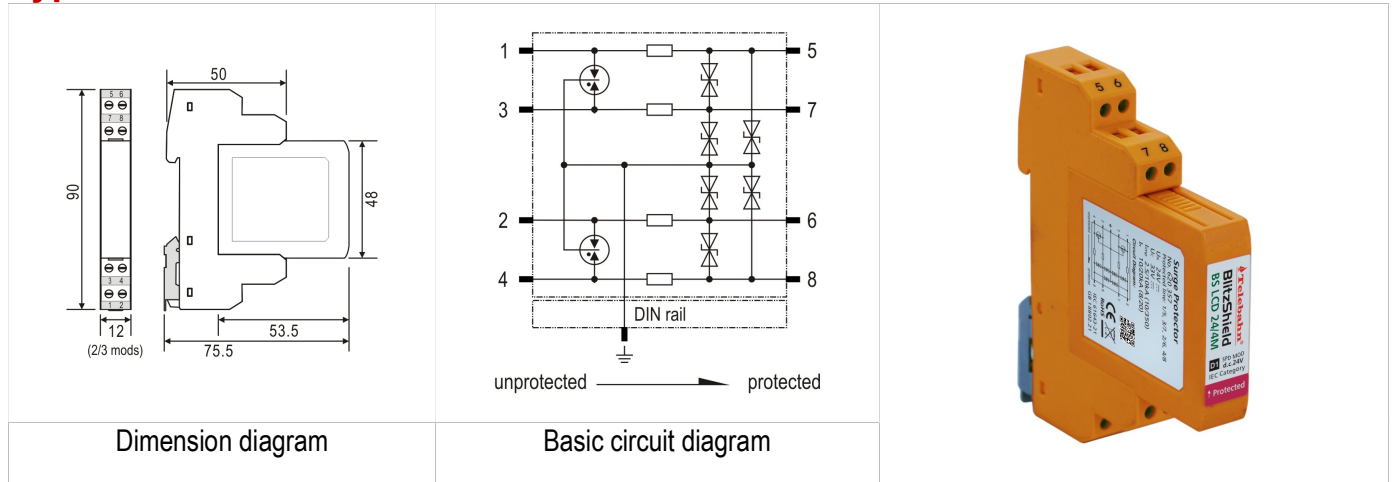
Pluggable SPDs for DIN Rail

For installation in conformity with the lightning protection zone concept at the boundaries from 0A – 2 and higher.

BlitzShield[®] product series

Surge Protective Devices for Information Technology System Protector

Type: BS LCD ... /4M



Dimension diagram

Basic circuit diagram

Summary:

For installation at LPZ 0A-2 or higher, or directly at the upstream near the protected devices. Provide protection for protecting four single lines of balanced & unbalanced stranded signal interfaces. Such as the field bus system, emergency alarm systems or telecommunication systems. Designed according to IEC 61643-21, EN 61643-21, GB 18801.21.

Main Character:

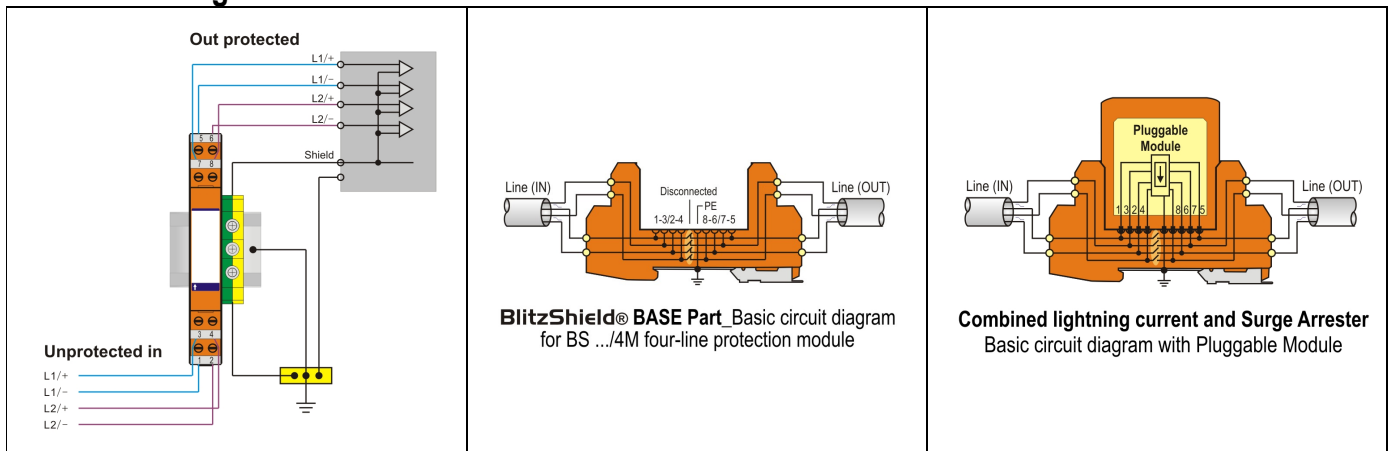
- For mounting on the 35mm DIN rail
- Composed by two parts: the base and the protection module
- The signal will not be disconnected when replacing the module
- High discharge capacity, low voltage protection level
- Minimum space requirements, four signal lines over a width 12mm (2/3 modules)

Technical data:

Type	BS LCD 12/4M	BS LCD 24/4M
Nominal voltage [U _N]	12V	24V
Rated voltage d.c./a.c. (max. continuous voltage) [U _c]	15V 10.5V	33V 38V
Nominal current [I _L]	0.75A	0.75A
Lightning impulse current (10/350) (per line/ total) [I _{imp}]	2.5kA 10kA	2.5kA 10kA
Nominal discharge current (8/20) (per line/ total) [I _n]	10kA 20kA	10kA 20kA
Voltage protection level at I _{imp} (line-line/line-PG) [U _p]	≤ 50V ≤ 37V	≤ 105V ≤ 66V
Voltage protection level at 1kV/us (line-line/line-PG) [U _p]	≤ 38V ≤ 19V	≤ 90V ≤ 45V

Transmission frequency [fc]	2.7MHz	6.8MHz
Capacitance (line-line/line-PG) [C]	≤ 1.0nF ≤ 2.0pF	≤ 0.5nF ≤ 1.0nF
Response time (line-line/line-PG) [tA]	≤ 25ns	≤ 25ns
Operating temperature range [Tu]	-40°C...+80°C	
Cross-sectional area	0.08mm ² -4mm ² solid / 2.5mm ² flexible	
Mounting on	35mm DIN rail	
Enclosure material	Orange thermoplastic, UL94-V0	
Dimension	90 x 12 x 75.5 (mm)	
Test standards	IEC 61643-21; EN 61643.21; GB 18802.21	
Certification	CE, Rohs, ISO9001:2015	
Ordering information		
Type	BS LCD 12/4M	BS LCD 24/4M
Art.-No.	620 356	620 357
Packing unit	1pc(s)	1pc(s)

Installation Diagram



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We reserve the right to introduce changes in performance, dimensions and material in the course of technical progress.

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