



Surge Protection Device For Information Technology Systems

Measuring and Control System Surge Arresters

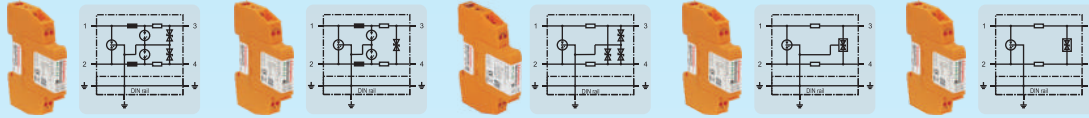


BlitzShield® Modular Products Range Protector

Industrial Control/Telecommunication Protection

Combined Signal Protection Module Surge Protective Devices

Pluggable 2 Signal lines module (System nominal voltage U_N : 5V/12V/24V/36V/48V/60/110V... series)



BS LC ... (system 5-110V)
Iimp 2.5/5kA (10/350µs)
2 signal lines protection a common reference potential as well as unbalanced interfaces.

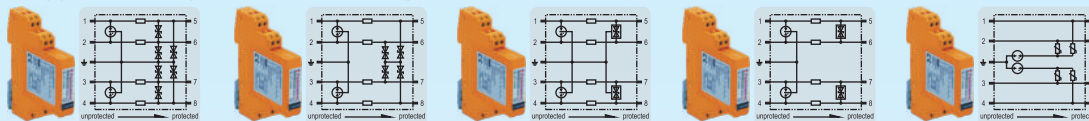
BS LD ... (system 5-110V)
Iimp 2.5/5kA (10/350µs)
1 pair signal lines protection of unearthed balanced interfaces.

BS LCD ... (system 5-110V)
Iimp 2.5/5kA (10/350µs)
1 pair stranded signal lines Protection (line-line-PE) of balanced interfaces.

BS SHFD ... (system 5-24V)
Iimp 2.5/5kA (10/350µs)
2 signal lines Protection a common reference potential as well as high-frequency transmissions without galvanic isolation.

BS HFD ... (system 5-24V)
Iimp 2.5/5kA (10/350µs)
1 pair signal lines Protection of unearthed bus systems or two-wire video transmission systems.

Pluggable 2-4 Signal lines module (System nominal voltage U_N : 5V/12V/24V/36V/48V/60/180V... series)



NEW
BS LCD .../4M (system 5-180V)
Iimp 2.5/10kA (10/350µs)
2 pair stranded signal lines Protection (line-line-PE) of balanced interfaces.

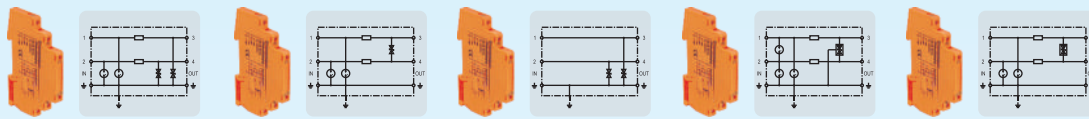
NEW
BS LDD .../4M (system 5-24V)
Iimp 2.5/10kA (10/350µs)
Max. up to 4 unearthed signal lines sharing a common reference potential.

NEW
BS SHFD .../4M (system 5-24V)
Iimp 2.5/10kA (10/350µs)
4 signal lines Protection a common reference potential as well as high-frequency transmissions without galvanic isolation.

NEW
BS HFD .../4M (system 5-24V)
Iimp 2.5/10kA (10/350µs)
2 pair signal lines Protection of unearthed bus systems or two-wire video transmission systems.

NEW
BS SCY .../4M (system 250V)
I_{max} 10/20kA (8/20µs)
4 signal lines protection of stranded signal interfaces up to ac 250V with "fault-proof Y circuit"

Ultra-slim 2 Signal lines module (Minimum installation width of only 6mm/without cover)



BS RK SC ... (system 12-110V)
I_{max} 5/10kA (8/20µs)
2 signal lines protection a common reference potential as well as unbalanced interfaces.

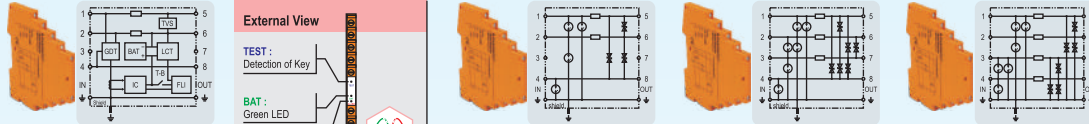
BS RK SD ... (system 12-110V)
I_{max} 5/10kA (8/20µs)
1 pair signal lines protection of unearthed balanced interfaces.

BS RK C ... (system 12-60V)
IL 10A (High nominal current)
2 single lines with common reference potential as well as unbalanced interfaces.

BS RK SHFD ... (system 5-24V)
I_{max} 5/10kA (8/20µs)
2 signal lines Protection balanced or unbalanced with low voltage, suitable for high transmission rates.

BS RK HFD ... (system 5-24V)
I_{max} 5/10kA (8/20µs)
1 pair signal lines Protection of unearthed balanced interfaces, suitable for high transmission rates.

Ultra-slim 2-4 Signal lines module (with direct or indirect shield earthing)



NEW
BS RK 24 ST...LT (system 24V)
Iimp 2.5/5kA (10/350µs)
1 pair stranded signal lines Protection of unearthed balanced interfaces.

External View

TEST : Detection of Key

BAT : Green LED

ALARM : Red LED

With Failure & Life Span Indications

NEW
BS 2RK SCD... (system 24V)
Iimp 2.5/5kA (10/350µs)
Provide max. 2 stranded signal lines Protection (line-line-PE) of balanced interfaces.

NEW
BS 3RK SCD... (system 24V)
Iimp 2.5/7.5kA (10/350µs)
Provide max. 3 stranded signal lines Protection (line-line-PE) of balanced interfaces.

NEW
BS 4RK 24 SCD... (system 24V)
Iimp 2.5/10kA (10/350µs)
Provide max. 4 stranded signal lines Protection (line-line-PE) of balanced interfaces.

Compact 2-6 Signal lines module (with direct or indirect shield earthing)



BS TTY 24
I_{total} 10kA (8/20µs)
Provide 4 signal lines Protection for data transmission devices (TTY interfaces).

BS RS485 5
I_{total} 10kA (8/20µs)
Provide 6 signal lines Protection for RS485/RS422 industrial bus control, other field bus and temperature measurement.

BS AD 24
I_{total} 2kA (8/20µs)
Two protected lines for DC 24V, usually used to protect PLC 24V power supply from EMC.

BS ALD 36
Iimp 2.5/5kA (10/350µs)
Combined lightning current two protected lines for unearthed d.c. power supply system.

NEW
BS SD TC1 (system 110V)
I_{total} 5kA (8/20µs)
1 pair signal lines for protecting telecommunication interfaces, with RJ45 connections and additional screw terminals.

LAS-PLUS Technology Protection (ISDN Multiplex Connection)



BS LSA C...L (system 5-110V)
I_{max} 5/10kA (8/20µs)
LSA plug-in SPD 1 pair signal lines protection, Ideally suited for signal circuits with common potential.

BS LSA D...R (system 5-250V)
I_{max} 5/10kA (8/20µs)
LSA plug-in SPD 1 pair signal lines protection, for use as single-stage protection for terminal equipment.

Installation Accessory: LSA / L-10
Grounding rail, for 10 LSA plug-in SPD 1 pair signal lines connection modules serving as connection between LSA backmount frame connector.

BS LSA X C110 S (system 110-250V)
I_{max} 5/10kA (8/20µs)
LAS plug-in SPD for 10 pair signal lines Protection, 110V or 250V for use as single-stage protection for terminal equipment.

BS LSA 1G 110 (system 110V)
I_{max} 5/10kA (8/20µs)
ITC 110V plug-in SPD for 1 pairs with tripod gas discharge tubes for nearly all types of applications.

BS LSA 10G 110 (system 110V)
I_{max} 5/10kA (8/20µs)
10TC 110V plug-in SPD for 10 pairs with tripod gas discharge tubes for nearly all types of applications.

IP65/Ex(d) Hazardous Areas

3LP-IP65/Outdoor Used Waterproof Enclosure

Proving max. 3 signal lines connected socket

NEW



BS 3LP-IP67 series
Art.-No. 644 003
Built-in PCB protection module for BS LCD ... series products



5LP-IP65/Outdoor Used Waterproof Enclosure

Proving max. 5 signal lines connected socket

NEW



BS 5LP-IP67 series
Art.-No. 644 005
Built-in PCB protection module for BS LCD .../4M series products

Ex(d) IIC T4 G6 SPD to Filed Device



BS PI SCD 24 M series
Art.-No. 680 162
M20x1.5 metric and 1/2-1/4 NPT thread
Provide protection for parallel connection 2-wire signal cable and earthing cable



BS PI SCD 24 M-2 series
Art.-No. 680 172
M20x1.5 metric and 1/2-1/4 NPT thread
Provide protection for parallel connection 4-wire signal cable and earthing cable



BS PI SCD 230/24 M (Y-circuit 120V/230V)
Art.-No. 680 174
M20x1.5 metric and 1/2-1/4 NPT thread
Provide protection for one 120/230V power supply system and one 24V data interface



Surge Protection Device For Information Technology Systems

Network Communication System Surge Arresters



BlitzShield® Modular Products Range Protector

Data Network/Coaxial Cable Protection

RJ45/PoE Network Communication Surge Protective Devices

RJ45 Protector (10M/100M/1000MBits/s Network system interfaces series)

Safe Power + Network Plug in & Protect Good for home & small offices.

NEW

BS TVSS/G5... (G48...) (System: Power AC 230V Data network DC 5-48V) (2-4-ch RJ45 sockets) Network protector by RJ45/CAT6 interfaces, for Gbits network system protected by 4 pair lines, and ac 230V power supply plug input protected.

Module Designed: 4 Ports

NEW

GBits/s Network BS RJ45G 5... (G48...)/4P (System: 5-48V) (4-ch RJ45 sockets) Network protector by RJ45/CAT6 interfaces, for Gbits network system protected by 4 pair lines. High voltage DC 57V to support the PoE network system.

Type: A (with DIN Rail bracket) / Type: B (with outgoing cable earthing)

GBits/s Network BS RJ45G 5... (G48...) (System: 5-48V) (1-ch RJ45 sockets) Network protector by RJ45/CAT6 interfaces, for Gbits network system protected by 4 pair lines. High voltage DC 57V to support the PoE network system.

MBits/s Network BS RJ45 5V... (24V...) (System: 5-24V) (1-ch RJ45 sockets) Network protector by RJ45/CAT5 interfaces, for Mbits network system protected by 4 pair lines.

PoE Network BS PoE 7.5V ... (System: Data 5V + Power DC 48V) (1-ch RJ45 sockets) PoE Network protector by RJ45/CAT5 interfaces, for data network by 1/2,3/6 pair lines and dc power supply by 4/5,7/8 pair lines.

Rj11 Telecom BS RJ11 110... (System: 110V) (1-ch RJ11 sockets) Telecommunication Network protector by RJ11 interfaces, for ADSL/ISDN network system protected by 1 pair lines.

IP65/Enclosure Outdoor Application

IP65/Waterproof 1GBits Network Protector



NEW

BS RJ45E WP Art.-No. 630 028 (System: DC 60V) Support the PoE network system.

Easy-Mounting Outdoor



RJ45-4TP Modules Protector (10M/100M/1000MBits/s Network system interfaces series)

Module Designed: 8 Ports

484mm length (19 inch shield enclosure)



GBits/s 4TP Module BS NP 4TP G... (System: 5-48V) (8-ch RJ45/CAT6 sockets)

4TP protection module of RJ45/CAT6 interfaces, for Gbits network system protected by 4 pair lines.



8 ports GBits/s 4TP 1X wall installation bracket BS NP 4TP 1X G... (System: 5-48V) (8-ch RJ45/CAT6 sockets)

Network protector is mounting 1X 4TP protection module of RJ45/CAT6 interfaces, for Gbits network system protected by 4 pair lines.



8-16-24 ports GBits/s 4TP (1X/2X/3X)-19" 19" technology installation bracket BS NP 4TP 1X G... (2X G... /3X G...) (System: 5-48V) (Max. 8-24-ch RJ45/CAT6 sockets)

Network protector is mounting 1X or 2X or 3X 4TP protection module of RJ45/CAT6 interfaces, for Gbits network system protected by 4 pair lines Protection.



NEW

5-15 ports GBits/s DIN SPD-19" 19" technology empty rack BS NP 15/RJ45 G... (System: 5-48V) (Max. 15-ch RJ45/CAT6 sockets)

19" empty rack can be configure up to 15pcs independent DIN rail Gbits network SPD of BS RJ45G 5 or BS RJ45G 48.



MBits/s 4TP Module BS NP 4TP RJ45... (System: 5-24V) (8-ch RJ45/CAT5 sockets)

4TP protection module of RJ45/CAT5 interfaces, for Mbits network system protected by 4 pair lines Protection.



8 ports MBits/s 4TP 1X wall installation bracket BS NP 4TP 1X RJ45... (System: 5-24V) (8-ch RJ45/CAT5 sockets)

Network protector is mounting 1X 4TP protection module of RJ45/CAT5 interfaces, for Mbits network system protected by 4 pair lines Protection.



8-16-24 ports MBits/s 4TP (1X/2X/3X)-19" 19" technology installation bracket BS NP 4TP 1X RJ45... (2X RJ45... /3X RJ45...) (System: 5-24V) (Max. 8-24-ch RJ45/CAT5 sockets)

Network protector is mounting 1X or 2X or 3X 4TP protection module of RJ45/CAT5 interfaces, for Mbits network system protected by 4 pair lines Protection.



5-15 ports MBits/s DIN SPD-19" 19" technology empty rack BS NP 15/RJ45 ... (System: 5-24V) (Max. 15-ch RJ45/CAT5 sockets)

19" empty rack can be configure up to 15pcs independent DIN rail Mbits network SPD of BS RJ45 5V or BS RJ45 24V.



CTV/BNC Coaxial Cable Protector (75Ω coaxial system series)

Type: A (with DIN Rail bracket) / Type: B (with outgoing cable earthing)

484mm length (19 inch shield enclosure)



CTV - F socket BS CTV 24... (System: 24V) (1-ch F socket)

Provide 75Ω satellite and TV cable protector of 1 ports F input/output sockets.



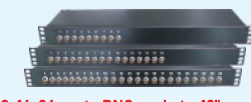
BNC plug/socket BS BNC 5V... (System: 5V) (1-ch BNC plug/socket)

Provide 75Ω coaxial cable video protector of 1 ports BNC plug/socket.



8 ports BNC sockets wall installation bracket BS 8BNC 5V... (System: 5V) (8-ch BNC sockets)

Provide 75Ω coaxial cable video protector of 8 ports BNC input/output sockets.



8-16-24 ports BNC sockets-19" 19" technology installation bracket BS 8BNC 5V... (16BNC... /24BNC...) (Max. 8-24-ch BNC sockets)

Provide 75Ω coaxial cable video protector of 8-24 ports BNC input/output sockets.

Cell Sites/Antenna System Coaxial Cable Protector (50Ω or 75Ω coaxial system series)

NEW 50Ω 0-6000MHz BS G NG (GDT: 90V/250V) (N plug/socket)	NEW 50Ω 0-6000MHz BS G NA (GDT: 90V/250V) (N socket/socket)	50Ω 0-3000MHz BS N GC (GDT: 90V/250V) (N plug/socket)	50Ω / 75Ω 0-3000MHz BS BNC G (GDT: 90V/250V) (BNC plug/socket)	50Ω 0-3000MHz BS G TNC (GDT: 90V/250V) (TNC plug/socket)	50Ω 0-3000MHz BS G UHF (GDT: 90V/250V) (UHF plug/socket)	50Ω 0-3000MHz BS G SMA (GDT: 90V/250V) (SMA plug/socket)	50Ω / 75Ω 0-2400MHz BS GF CTV (GDT: 90V/250V) (F plug/socket)	50Ω 0-2500MHz BS L4 7/16 (GDT: 0V) (7/16 plug/socket)	50Ω 0-2500MHz BS L4 7/16 A (GDT: 90V) (7/16 socket/socket)	

D-SUB Network Protector



NEW

Sub 9 pin plug/socket BS RS 9P... (9P A) (System: 6-24V) (with outgoing cable earthing)

Sub 9 pins surge protector for Profibus-DP applications.

Sub 9-37 pin plug/socket BS RS 9P ... (15P.../25P.../37P...) (System: 5-48V) (with outgoing cable earthing)

Sub surge protector for RS485, RS422, RS232 signal devices.

Camera Security Surveillance Protector



Rj45 data 2 in 1 wall mounting BS RJ45 V 2 IN 1... (Data network: 48V DC) (Power: 12V/24V/48V/220V)

RJ45 surge protector Integrated protection for power supply lines, and RJ45 network signal line of the IP camera or IP telephone device.

Rj45 data 2 in 1 DIN rail mounting BS RJ45 V 2 IN 1...D (Data network: 48V DC) (Power: 12V/24V/48V/220V)

NBC surge protector integrated protection for power supply lines, and BNC video signal line, and controlling signal line of the camera.

BNC video 3 in 1 wall mounting BS BNC V 3 IN 1... (Video signal: 5V DC) (Control signal: 12V DC) (Power: 12V/24V/48V/220V)

NBC surge protector integrated protection for power supply lines, and BNC video signal line, and controlling signal line of the camera.

BNC video 3 in 1 DIN rail mounting BS BNC V 3 IN 1... (Video signal: 5V DC) (Control signal: 12V DC) (Power: 12V/24V/48V/220V)

NBC surge protector integrated protection for power supply lines, and BNC video signal line, and controlling signal line of the camera.

IP65/RJ45 Plug 1GBits Network Protector



NEW

BS CLE RJ456... WP Art.-No. 630 066 (System: DC 5-48V) Support the PoE network system.

Provide 75Ω coaxial cable video protector of 8-24 ports BNC input/output sockets.

IP65/waterproof mounting box for installation various with DIN rail network surge protector with 2pcs RJ45/CAT6 connectors.

IE IP 65 ... series enclosure Plastic housing/transparent cover