



Data Line Protection - Vol. 2



MCG SURGE PROTECTION



DATA LINE SELECTION GUIDE

Select model by application, protocol and connectors.

MODEL	APPLICATION	PROTOCOL	PINS PROTECTED	CONNECTORS	STANDARD CLAMP VOLTAGE	PAGE NO.
DLP-5.92-7.5V	Category 6 Protection	10BASE-T/100BASE-T	8 wires	RJ45/RJ45	7.5 volts	4
DLP-5.92-7.5V-P*	Category 6 Protection	10BASE-T/100BASE-T	8 wires	RJ45/RJ45	7.5 volts	4
DLP-C6-DIN*	Category 6 Protection	10BASE-T/100BASE-T/ 1000BASE-T	8 wires	RJ45/RJ45	7.5 volts	4
DLP-5.20-F/F*	Cable/Satellite TV Protection	Cable/Satellite TV	CTR & Shield	F Series F/F	90 volts	5
DLP-5.20-M/F*	Cable/Satellite TV Protection	Cable/Satellite TV	CTR & Shield	F Series M/F	90 volts	5
DLP-PoE-60V-A	Power over Ethernet	PoE Mode A	8 wires	RJ45 /RJ45 F/F	60 volts	5
DLP-PoE-60V-B	Power over Ethernet	PoE Mode B	8 wires	RJ45/RJ45 F/F	Pins 1-3,6 : 7.5 volts Pins 4,5,7 & 8 : 60 volts	5
DLP-5.30-T	10BASE-2 Protection	10BASE-2	CTR to Gnd, Shield to Gnd	BNC "T"	7.5 volts	6
DLP-5.30-M/F	10BASE-2 Protection	10BASE-2	CTR to Gnd, Shield to Gnd	BNC M/F	7.5 volts	6
DLP-5.40-N-F/F	10BASE-5 Protection	10BASE-5	CTR to Gnd, Shield to Gnd	N Series F/F	7.5 volts	6
DLP-5.40-N-M/F	10BASE-5 Protection	10BASE-5	CTR to Gnd, Shield to Gnd	N Series M/F	7.5 volts	6
DLP-3.9-7.5	RS422/RS423/RS485 Protection	RS422/RS423/RS485	All 9 pins	DB9 M/F	7.5 volts	7
DLP-3.9-18V	RS232 Protection	RS232	All 9 pins	DB9 M/F	18 volts	7
DLP-3.15-7.5V	RS422/RS423/RS485 Protection	RS422/RS423/RS485	All 15 pins	DB15 M/F	7.5 volts	7
DLP-3.15-18V	RS232 Protection	RS232	All 15 pins	DB15 M/F	18 volts	7
DLP-3.25-7.5V	RS422/RS423/RS485/RS530 Protection	RS422/RS423/RS485/RS530	All 25 pins	DB25 M/F	7.5 volts	7
DLP-3.25-18V	RS232 Protection	RS232	All 25 pins	DB25 M/F	18 volts	7
DLP-3.25-18V-4W	RS232 Protection	RS232	Pins (1)2,3,7,20	DB25 M/F	18 volts	7
DLP-3.25-18V-8W	RS232 Protection	RS232	Pins (1)2-8,20	DB25 M/F	18 volts	7
DLP-DB25-ENET	Parallel Protection	Parallel	All 25 PINS	DB25 M/F	7.5 volts	7
DLP-4.0-7.5V-4W	RS422/RS423 Protection	RS422/RS423	4 wire, CTR pins	RJ11/RJ11 F/F	7.5 volts	7
DLP-4.0-7.5V-6W	RS422/RS423 Protection	RS422/RS423	6 wire, all pins	RJ11/RJ11 F/F	7.5 volts	7
DLP-4.0-60V-6W	DSL Protection	DSL	6 wire , all pins	RJ11/RJ11 F/F	60 volts	7
DLP-4.0-240V-2W	Dial-Up/Modem/Fax Protection	Dial-Up/Modem/Fax	2 wire, 2 CTR pins	RJ11/RJ11 F/F	240 volts	7
DLP-4.0-240V-4W	Dial-Up/Modem/Fax Protection	Dial-Up/Modem/Fax	4 wire, 4 CTR pins	RJ11/RJ11 F/F	240 volts	7
DLP-4.0-240V-6W	Dial-Up/Modem/Fax Protection	Dial-Up/Modem/Fax	6 wire, all pins	RJ11/RJ11 F/F	240 volts	7
DLP-4.1-18V-4W	RS232 Protection	RS232	4 wire, 4 CTR pins	RJ45/RJ45 F/F	18 volts	8
DLP-4.1-18V-8W	RS232 Protection	RS232	8 wire, all pins	RJ45/RJ45 F/F	18 volts	8
DLP-4.1-60V-4W	T1 Protection	T1	8 wire, all pins	RJ45/RJ45 F/F	60 volts	8
DLP-4.1-240V-8W	Dial-Up/Modem/Fax Protection	Dial-Up/Modem/Fax	8 wire, all pins	RJ45/RJ45 F/F	240 volts	8
DLP-T-DIN *	RS232 Protection	RS232	8 wire, all pins	RJ45/RJ45 F/F	18 volts	8
DLP-B-DIN *	ISDN/T1/DDS Protection	ISDN/T1/DDS	8 wire, all pins	RJ45/RJ45 F/F	60 volts	8
DLP-G-DIN *	Dial-Up/Modem/Fax Protection	Dial-Up/Modem/Fax	2 wire, 2 CTR pins	RJ45/RJ45 F/F	240 volts	8

* Not UL Listed

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Select model by application, protocol and connectors.

MODEL	APPLICATION	PROTOCOL	PINS PROTECTED	CONNECTORS	STANDARD CLAMP VOLTAGE	PAGE NO.
DLP-CCTV	CCTV Protection	CCTV	Ctr to Gnd, Shield to Gnd	BNC Series M/F	7.5 volts	10
DLP-3.92-4	10BASE-T Protection	10BASE-T	1,2,3 & 6	RJ45/RJ45 F/F	7.5 volts	9
DLP-3.92-8	10BASE-T Protection	10BASE-T	All 8 pins	RJ45/RJ45 F/F	7.5 volts	9
DLP-C5	100BASE-T Protection	100BASE-T	All 8 pins	RJ45/RJ45 F/F	12 volts	9
612 SERIES	12 Port Rackmount	see data sheet	see data sheet	110 Block to RJ45	see data sheet	11
616 SERIES	16 Port Rackmount	see data sheet	see data sheet	RJ45 to RJ45	see data sheet	12
624 SERIES	24 Port Rackmount	see data sheet	see data sheet	110 Block to RJ45	see data sheet	11
632 SERIES	32 Port Rackmount	see data sheet	see data sheet	RJ45 to RJ45	see data sheet	12
648 SERIES	48 Port Rackmount	see data sheet	see data sheet	110 Block to RJ45	see data sheet	11

40
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Perfect Protection™

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AC POWER LINE PROTECTION CATALOG

All of MCG's AC Power Line Protectors for building entries, mid-building (branch panel), local service panel and equipment level protection.



DATA LINE PROTECTION VOL 1.

This catalog offers a wide range of MCG protectors for applications including telecom, Cat. 5, 100BASE-T using all popular connectors. Also available for DIN Rail and 19" racks.



THE TRUTH OF THE MATTER

Our comprehensive, 28-page tutorial addresses a variety of AC power line surge suppression myths, hype and real issues.



DOWNLOAD WHITE PAPERS and PUBLISHED ARTICLES

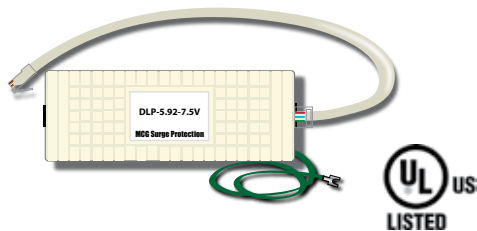
Includes "High Headroom or How to Prevent Premature SPD Death", and "Coordinated Protection of AC and Data Signal Systems".

Data Line Protection

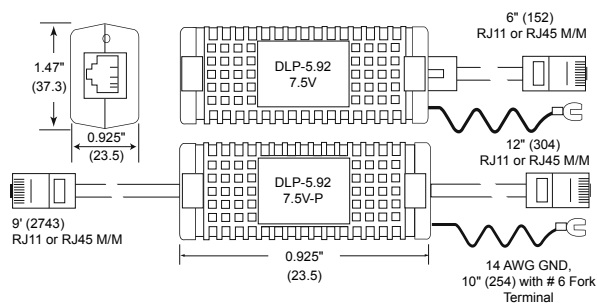
MODEL

DLP-5.92

Cat 6 Protection



The DLP-5.92 series are high speed single port protectors designed to protect Category 6 (Gigabit Ethernet) based protocols such as 1000BASE-T, 100BASE-T and 10BASE-T systems. The protectors prevent costly downtime by protecting NICs (network interface cards) hubs and relays. Using the latest protection technologies, units are virtually invisible to the high speed data path until a surge occurs. The DLP-5.92 reacts in nanoseconds causing the surge current to flow through the protector instead of the port. Installs in seconds.



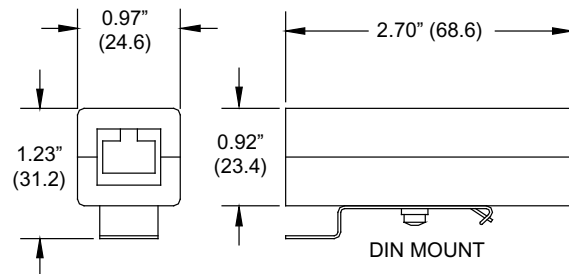
MODEL

DLP-C6-DIN

Cat 6 Protection



The DLP-C6-DIN offers Category 6 protection in a compact DIN rail mountable device. The unit protects equipment running 1000BASE-T, as well as 100BASE-T and 10BASE-T. The device reacts in nanoseconds causing the surge current to flow through the protector instead of the port. At just under an inch wide, the device occupies minimal DIN rail real estate. Installation is plug-and-play using RJ45 connectors, as the ground connection is made through the DIN rail. If system uses a 19" equipment rack, consider MCG's optional DIN rail mounting system.



SPECS

Model: DLP-5.92-7.5V & DLP-5.92-7.5V-P*
 Connector: RJ45/RJ45 * Not UL Listed
 Protects: 8 Wires
 Enclosure: ABS Plastic, Pearl White
 Weight: <.14 lb., (<.06kg)
 "-P" model <.40lb., (<.18kg)
 Peak Pulse Current: 100 Amps, 10/1000µs
 Std. Clamp Voltage: 7.5 volts
 Response Time: <5 ns
 UL: UL497B Listed
 Warranty: 20-year warranty

SPECS

Model: DLP-C6-DIN* * Not UL Listed
 Connector: RJ45/RJ45
 Protects: 8 Wires
 Enclosure: ABS Plastic, Black
 Weight: <.07 lb., (<.03kg)
 Peak Pulse Current: 100 Amps, 10/1000µs
 Std. Clamp Voltage: 7.5 volts
 Response Time: <5 ns
 Warranty: 20-year warranty



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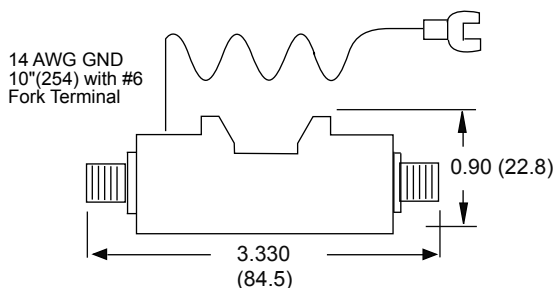
MODEL

DLP-5.20 Series

Cable/Satellite TV Protection



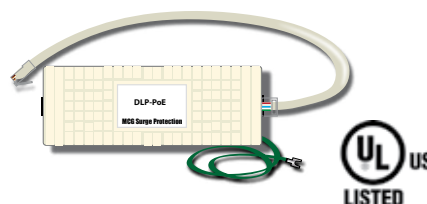
Costly digital communications are the norm and protecting equipment like set top boxes, modems and flat panel TVs is vital to ensure uninterrupted operation. The DLP-5.20 protects cable input circuits in this equipment, such as tiny surface mount ICs and conductors that carry the signals. Sensing overvoltage events, the protector safely diverts surges away from sensitive equipment. Installs in minutes using type "F" connectors.



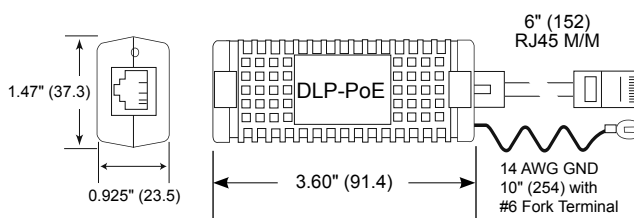
MODEL

DLP-PoE Series

Power over Ethernet



MCG's DLP-PoE series of protectors provide reliable, easy to install protection for equipment using the Power over Ethernet protocol. These single port protectors guard equipment from damage due to transient currents caused by differences in ground potential. Reacting in nanoseconds, the DLP-PoE series conducts surge currents away from sensitive equipment. Covers both Mode A and Mode B systems. Use the "-A" model for Mode A applications and the "-B" model for Mode B applications. Easy to install using RJ45 connectors.



SPECS

Model: DLP-5.20-F/F * & DLP-5.20-M/F *
 Connector: F Series, F/F or M/F * Not UL Listed
 Enclosure: ABS Plastic, Black
 Weight: <.14 lb., (<.06kg)
 Peak Pulse Current: 20 kA, 8/20 μ s
 Std. Clamp Voltage: 90 volts
 Response Time: <5 ns
 Series Resistance: None
 Insertion Loss @ 1.5GHz: <1dB
 Warranty: 20-year warranty

Model: DLP-PoE-60V-A & DLP-PoE-60V-B
 Connector: RJ45 F/F
 Enclosure: ABS Plastic, Pearl White
 Weight: <.14 lb., (<.06kg)

	Mode A	Mode B
Std. Clamp Voltage(s):	60 volts	Pins 1,2,3 & 6 : 7.5 volts 4,5,7 & 8 : 60 volts
Peak Pulse Current: (10x1000 μ s)	50 Amps	Pins 1,2,3 & 6 : 132 Amps 4,5,7 & 8 : 50 Amps
Response Time:	<5 ns	
UL:	UL497B Listed	
Warranty:	20-year warranty	



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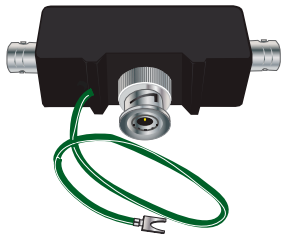
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Data Line Protection

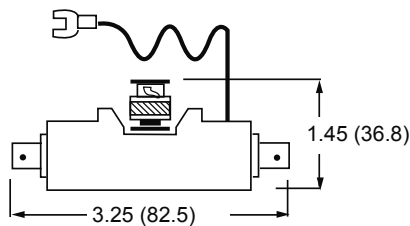
MODEL

DLP-5.30

10BASE-2 Protection



The MCG DLP-5.30 series are designed to protect BNC communication ports from damage due to surges. The most common surges affecting these ports are caused by differences in ground potential at each end of the coaxial cable. Typically used on Ethernet 10BASE-2 systems, the protectors turn on instantly when an overvoltage occurs. Voltage is limited to a safe level, bypassing the current through the protector, away from sensitive equipment. Protectors are available in both a Male/Female configuration and a BNC "T" configuration. Installs in minutes.



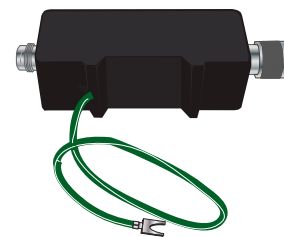
SPECS

Model: DLP-5.30-T & DLP-5.30-M/F
 Connector: BNC "T" & BNC Male/Female
 Protects: Ctr to Gnd, Shield to Gnd
 Enclosure: ABS Plastic, Black
 Weight: <.14 lb., (<.06kg)
 Peak Pulse Current: 132 Amps, 10/1000 μ s
 Std. Clamp Voltage: 7.5 volts
 Response Time: <5 ns
 Series Resistance: None
 Insertion Loss @ 40 MHz: -0.5dB
 UL: UL497B Listed
 Warranty: 20-year warranty

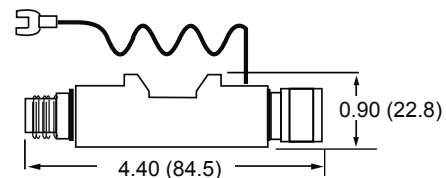
MODEL

DLP-5.40

10BASE-5 Protection



The MCG DLP-5.40 series uses type N connectors and protects communication ports from damage due to surges. The most common surges affecting these ports are caused by differences in ground potential at each end of the coaxial cable due to nearby lightning strikes. Typically used on Ethernet 10BASE-5 systems, the protector turns on instantly, when a transient is sensed. Overvoltages are limited to safe levels and excess voltage is shunted away from vulnerable equipment.



SPECS

Model: DLP-5.40-N-F/F & DLP-5.40-N-M/F
 Connector: N Series F/F or M/F
 Protects: Ctr to Gnd, Shield to Gnd
 Enclosure: ABS Plastic, Black
 Weight: <.14 lb., (<.06kg)
 Peak Pulse Current: 132 Amps, 10/1000 μ s
 Std. Clamp Voltage: 7.5 volts
 Response Time: <5 ns
 Series Resistance: None
 Insertion Loss @ 40 MHz: -0.5dB
 UL: UL497B Listed
 Warranty: 20-year warranty



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Data Line Protection

MODEL

DLP-D-Sub Series

**RS422/RS423/RS485
RS232/RS530/ Parallel**

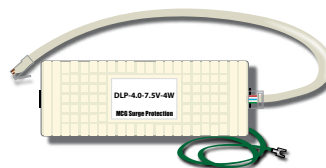


The MCG D-Sub series protects equipment with D-Sub style connectors. Protects 9-pin, 15-pin, and 25-pin configurations. Common surges affecting these ports are caused by differences in ground potential at each end of the data line due to nearby lightning strikes. The protector turns on instantly when an overvoltage occurs and limits it to a safe level. Quick, easy installation and compact size allow use in tight spaces.

MODEL

DLP-4.0 Series

**RS422/RS423/DSL
Dial-Up/Modem/Fax**



The MCG DLP-4.0 series protect communication ports using RJ11 connectors. These ports are affected by differences in ground potential at each end of the data line cable caused by nearby lightning strikes. The protector turns on instantly when an overvoltage occurs and limits it to a safe level. The current is bypassed through the protector and away from sensitive equipment. The protector automatically resets, ready for the next transient.

SPECS

Conn:	Model:	Application	Pins Protected	Std. Clamp Voltage	Peak Pulse Current 10/1000µs
DB9	DLP-3.9-7.5 DLP-3.9-18V	RS422/RS423/RS485 RS232	All 9 pins	7.5 volts 18 volts	132 Amps 60 Amps
DB15	DLP-3.15-7.5V DLP-3.15-18V	RS422/RS423/RS485 RS232	All 15 pins	7.5 volts 18 volts	132 Amps 60 Amps
DB25	DLP-3.25-7.5V DLP-3.25-18V	RS422/RS423/RS485/RS530 RS232	All 25 pins	7.5 volts 18 volts	132 Amps 60 Amps
DB25	DLP-3.25-18V-4W DLP-3.25-18V-8W	RS232 RS232	Pins (1) 2,3,7,20 Pins (1) 2-8, 20	18 volts 18 volts	60 Amps 60 Amps
DB25	DLP-DB25-ENET	Parallel	All 25 pins	7.5 volts	132 Amps
RJ11	DLP-4.0-7.5V-4W	RS422/RS423	4 wire, 4 CTR pins	7.5 volts	132 Amps
RJ11	DLP-4.0-7.5V-6W	RS422/RS423	6 wire, all pins	7.5 volts	132 Amps
RJ11	DLP-4.0-60V-6W	DSL	6 wire, all pins	60 volts	50 Amps
RJ11	DLP-4.0-240V-2W	Dial-up/ modem/ fax	2 wire, 2 CTR pins	240 volts	75 Amps
RJ11	DLP-4.0-240V-4W	Dial-up/ modem/ fax	4 wire, 4 CTR pins	240 volts	75 Amps
RJ11	DLP-4.0-240V-6W	Dial-up/ modem/ fax	6 wire, all pins	240 volts	75 Amps

Enclosure: ABS Plastic, Pearl White
 Weight: <.14 lb., (<.06kg)
 Response Time: <5 ns
 UL: UL497A Listed (240V & 60V models), UL497B Listed
 Warranty: 20-year warranty



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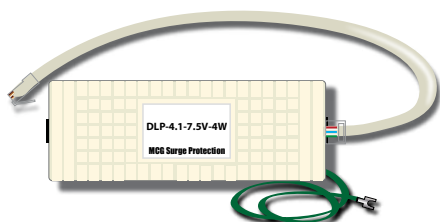
Data Line Protection

MODEL

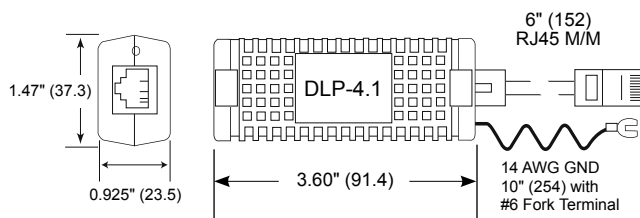
MODEL

DLP 4.1 Series

**RS232/ISDN/T1
Dial-Up/Modem/Fax**



The DLP-4.1 series is designed to protect a wide range of applications that use an RJ45 style connector. Employing the latest technologies in surge suppression, these devices are virtually invisible to the system. Units react in nanoseconds to divert transient currents away from sensitive equipment. The DLP-4.1 is an economical solution to transient problems. Units install in minutes.

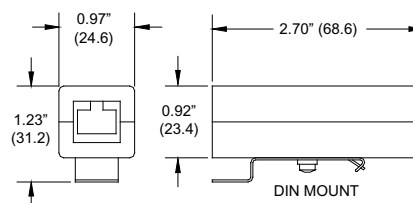


DLP-T, B & G Series

ISDN/T1/DDS



These compact DIN rail mounted protectors guard DIN rail mounted equipment that use an RJ45 style connector. Units install adjacent to the equipment on the same DIN rail or a nearby DIN rail and use less than one inch of rail space. Unit reacts in nanoseconds and causes the surge current to safely flow through it instead of the equipment's port. Installation is plug-and-play as the ground connection is made through the DIN rail bracket. If the system uses a 19" equipment rack, consider the optional DIN rail mounting system.



SPECS

Model:	Application	Connectors	Pins Protected	Std. Clamp Voltage	Peak Pulse Current 10/1000µs
DLP-4.1-18V-4W	RS232	RJ45 F/F	4 wire, 4 ctr pins	18 volts	60 Amps
DLP-4.1-18V-8W	RS232	RJ45 F/F	8 wire, all pins	18 volts	60 Amps
DLP-4.1-60V-8W	T1	RJ45 F/F	8 wire, all pins	60 volts	50 Amps
DLP-4.1-240V-8W	Dial-up/ Modem/ Fax	RJ45 F/F	8 wire, all pins	240 volts	75 Amps
DLP-T-DIN*	RS232	RJ45 F/F	8 wire, all pins	18 volts	60 Amps
DLP-B-DIN*	ISDN/T1/DDS (Fused)	RJ45 F/F	8 wire, all pins	60 volts	50 Amps
DLP-G-DIN*	Dial-up (Fused)	RJ45 F/F	2 wire, 2 ctr pins	240 volts	75 Amps

* Not UL Listed

Enclosure: ABS Plastic
 Weight: <0.14lb., (<0.06kg)
 DIN Models <.07lb., (<.03kg)
 Response Time: <5 ns
 UL: UL497B Listed
 Warranty: 20-year warranty



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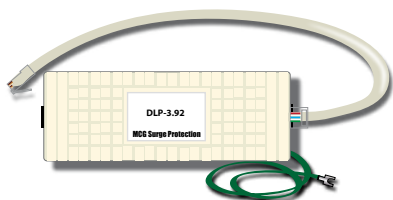
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Data Line Protection

MODEL

DLP-3.92

10BASE-T Protection

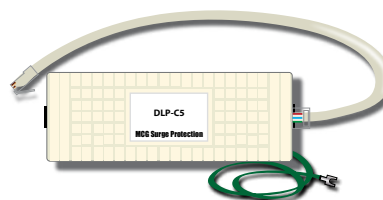


Reliable protection, easy to install and a compact package make the DLP-3.92 an ideal protection choice. Designed for use on 10BASE-T networks, the unit will prevent costly downtime of sensitive networks by protecting NIC (network interface cards) hubs and relays. Units are virtually invisible to the network and will not affect data rates. The DLP-3.92 responds in nanoseconds to an overvoltage and instantly diverts harmful surge currents away from sensitive equipment. Units install in minutes.

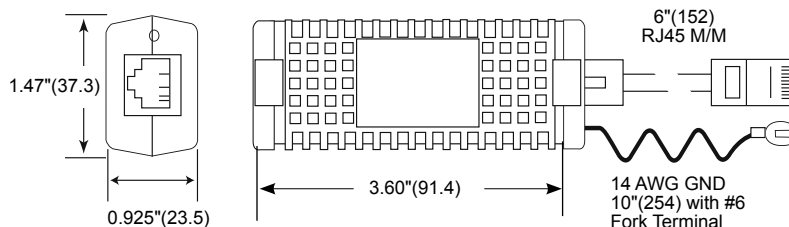
MODEL

DLP-C5

100BASE-T Protection



The DLP-C5 is designed for use on high speed Cat 5e networks. The DLP-C5 is perfect for use on 10/100BASE-T protocols or facilities using 10BASE-T but have a Cat 5 infrastructure for future upgrades to 100BASE-T (100 megabits per second) speed. Low-cost and easy to install, the DLP-C5 prevents equipment damage due to nearby lightning strikes and AC power surges which cause differences in ground potential. These events can easily wipe out unprotected ports in microseconds. Units install in minutes.



SPECS

Model:	DLP-3.92-4	DLP-3.92-8
Protects:	1, 2, 3 & 6	All 8 pins
Connector:	RJ45/RJ45	
Enclosure:	ABS Plastic, Pearl White	
Weight:	<.14lbs., (<.06kg)	
Peak Pulse Current:	132 Amps, 10/1000 μ s	
Std. Clamp Voltage:	7.5 volts	
Response Time:	<5 ns	
UL:	UL497B Listed	
Warranty:	20-year warranty	

Model:	DLP-C5
Connector:	RJ45/RJ45
Protects:	All 8 pins
Enclosure:	ABS Plastic, Pearl White
Weight:	<.14 lbs., (<.06kg)
Peak Pulse Current:	97 Amps, 10/1000 μ s
Std. Clamp Voltage:	12 volts
Response Time:	<5 ns
UL:	UL497B Listed
Warranty:	20-year warranty



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Data Line Protection

MODEL

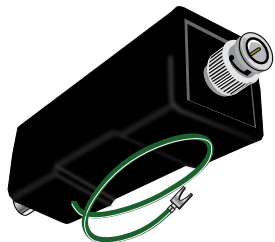
MODEL

DLP-CCTV

612/624/648 Series

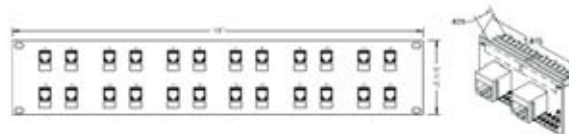
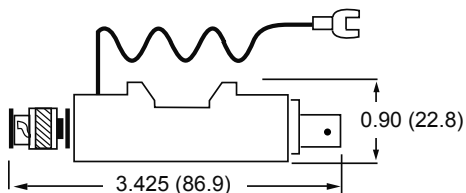
CCTV Protection

12/24/48 Port Rackmount 110 Punchdown to RJ45



CCTV systems are critical to the businesses and residences they protect. Downtime of these 24/7 systems can have a disastrous outcome. The installation of DLP-CCTV protectors prevent damage caused by surges that are generated throughout the facility and grounds. The units offer ideal protection for DVRs (Digital Video Recorders), video surveillance rooms, cameras and other critical equipment. Minimal insertion loss ensures that picture quality is maintained. Units install in minutes.

Preventing downtime is essential to critical networks. Frequently used in place of standard, unprotected patch panels, MCG's surge protected patch panels keep your equipment safe from surges (i.e. nearby lightning). These multi-port protectors are 19" rack mountable and are available in 12, 24, and 48 port versions. Each protected port contains an IDC-110 punch down block in the back and an RJ45 connector in the front. Covering CAT 6 applications, as well as Telco and ISDN, the units install easily and provide years of reliable protection.



SPECS

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Model: DLP-CCTV
 Connector: BNC Series M/F
 Protects: Ctr to Gnd, Shield to Gnd
 Enclosure: ABS Plastic, Black
 Weight: < .14 lbs., (<.06kg)
 Peak Pulse Current: 132 Amps, 10/1000µs
 Std. Clamp Voltage: 7.5 volts
 Response Time: <5 ns
 Series Resistance: None
 Insertion Loss @ 40 MHz: -0.5dB
 UL: UL497B Listed
 Warranty: 20-year warranty

Model	Pins Protected	Std. Clamp Voltage	Current	Height
612-C6	All pins	7.5 volts	100 Amps	1U
612-60V-4W*	Ctr 4 pins	60 volts	50 Amps	1U
612-240V-4W*	Ctr 4 pins	240 volts	75 Amps	1U
624-C6	All pins	7.5 volts	100 Amps	2U
648-C6	All pins	7.5 volts	100 Amps	4U

Connectors: 110 Block to RJ45 Connectors
 Response Time: <5ns
 UL Listing: UL497B Listed unless noted.
 ROHS Compliant unless noted.
 Warranty: 20-year warranty

*Not UL listed or ROHS compliant



12 Burt Drive, Deer Park, New York 11729, USA • Telephone: (631) 586-5125 • Fax: (631) 586-5120

MCG Surge Protection • Toll Free: 1-800-851-1508, www.mcgsurge.com, Email: info1@mcgsurge.com

Data Line Protection

MODEL

616 Series

**16 Port Rackmount Protection for
RS232/ISDN/T1/DDS/Dial-Up/Modem/Fax/
PoE Mode A/PoE Mode B/10/100/1000BASE-T**



632 Series

**32 Port Rackmount Protection for
RS232/ISDN/T1/DDS/Dial-Up/Modem/Fax/
PoE Mode A/PoE Mode B/10/100/1000BASE-T**



MCG's line of 19" rack mountable protectors provide reliable protection for your critical network hardware. Overvoltages that damage unprotected I/O ports are commonly caused by differences in the building's ground potential at each end of the data cable run. These protectors react in nanoseconds to an overvoltage and limit it to a safe level. They are available in 16 and 32 port versions and easily install in a 19" equipment rack or can be wall mounted (-WM models). Covering many different protocols including CAT 6, CCTV, and cable TV/satellite, these multi-port protectors prevent costly downtime. They are backed by MCG's "No nonsense" 20-year warranty.

SPECS

Model:	Application	Connectors	Pins Protected	Mounting / Height	Std. Clamp Voltage	Peak Pulse Current 10/1000µs
616-18V-8W*	RS232	RJ45/RJ45	All pins	Rack Mount / 2U	18 volts	60 Amps
616-60V-8W*	ISDN/T1/DDS	RJ45/RJ45	All pins	Rack Mount / 2U	60 volts	50 Amps
616-240V-2W*	Dial-up / Modem / Fax	RJ45/RJ45	Ctr 2 pins	Rack Mount / 2U	240 volts	75 Amps
616-PoE-A*	PoE Mode A	RJ45/RJ45	All pins	Rack Mount / 2U	60 volts	50 Amps
616-PoE-B	PoE Mode B	RJ45/RJ45	All pins	Rack Mount / 2U	Pins 1,2,3,6 7.5 volts Pins 4,5,7,8 60 volts	132 Amps 50 Amps
616-5.20*	Cable/Satellite	Type F	All pins	Rack Mount / 1U	90 volts	20k Amps
616-CCTV	CCTV	BNC/BNC	All pins	Rack Mount / 1U	7.5 volts	132 Amps
616-C6	1000BASE-T	RJ45/RJ45	All pins	Rack Mount / 2U	7.5 volts	100 Amps
616-18V-8W-WM*	RS232	RJ45/RJ45	All pins	Wall Mount / 1U	18 volts	60 Amps
616-60V-8W-WM*	ISDN / T1 / DDS	RJ45/RJ45	All pins	Wall Mount / 1U	60 volts	50 Amps
616-240V-2W-WM*	Dial-up / Modem / Fax	RJ45/RJ45	Ctr 2 pins	Wall Mount / 1U	240 volts	75 Amps
616-C6-WM	1000BASE-T	RJ45/RJ45	All pins	Wall Mount / 1U	7.5 volts	100 Amps
616-PoE-A-WM*	PoE Mode A	RJ45/RJ45	All pins	Wall Mount / 1U	60 volts	50 Amps
616-PoE-B-WM*	PoE Mode B	RJ45/RJ45	All pins	Wall Mount / 1U	Pins 1,2,3,6 7.5 volts Pins 4,5,7,8 60 volts	132 Amps 50 Amps
616-60V-8W-WM-FA	ISDN / T1 / DDS	RJ45/RJ45	All pins	Wall Mount / 1U	60 volts	50 Amps
632-18V-8W-WM*	RS232	RJ45/RJ45	All pins	Wall Mount / 2U	18 volts	75 Amps
632-60V-8W-WM*	ISDN / T1 / DDS	RJ45/RJ45	All pins	Wall Mount / 2U	60 volts	50 Amps
632-240V-2W-WM*	Dial-up / Modem / Fax	RJ45/RJ45	Ctr 2 pins	Wall Mount / 2U	240 volts	75 Amps
632-PoE-A-WM*	PoE Mode A	RJ45/RJ45	All pins	Wall Mount / 2U	60 volts	50 Amps
632-PoE-B-WM*	PoE Mode B	RJ45/RJ45	All pins	Wall Mount / 2U	Pins 1,2,3,6 7.5 volts Pins 4,5,7,8 60 volts	132 Amps 50 Amps
632-C6-WM	1000BASE-T	RJ45/RJ45	All pins	Wall Mount / 2U	7.5 volts	100 Amps

* Not UL Listed

Response Time: <5 ns
UL: UL497B Listed unless noted
Warranty: 20-Year Warranty



-WM = Units can be wall mounted or rack mounted.
-FA = Front access data ports (easy replacement)

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Perfect Protection

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