



## Product Summary

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## About the Company

At PD Devices we design and manufacture an extensive range of Electrical Surge Protection Components and Modules for applications in numerous Markets including:

**Buildings and Services - Industrial and Commercial**

**Office & Home**

**Telecom & Data Networks**

**Transport**

**Electrical Generation & Supply**

**Defence & Security**

A diverse, worldwide customer platform has been vital in the development of our global supply capability.

We ensure that our Product Designs, Test & Manufacturing Processes and Facilities comply with all relevant International Standards, and Qualification Procedures

- All our products are RoHS Compliant and we are WEEE registered.
- Our Design, Manufacturing & Quality Assurance Systems meet ISO 9001- 2000
- We supply products to meet National & International Standards & Recognitions including: UL, CEE, BS, IEC.

## Buildings and Services - Industrial and Commercial

Our extensive range provides a co-ordinated system for total site protection, and is designed to provide comprehensive protection at a reasonable cost.

Beginning where Power, Data, and Telecom lines enter a building, through to special devices for extremely sensitive or critical equipment.

Protection products and components are designed and manufactured to meet the requirements of BS EN 62305-4:2006, IEC61643-12:2006, and IEC61643-22.

AC mains cables entering a building or facility are points at which large induced lightning and switching surges may appear.

The recognised importance of surge protection, has resulted in the preparation of extensive documentation for the protection of lives, buildings and equipment:

- **BS6651:1999 Annex C** - UK Standard Prior to August 2008 -The BSI "Code of Practice for Protection Against Lightning" provides general advice on the protection of electronic equipment, and was replaced in August 2008 by **BS EN 62305-1 to BS EN 62305-5:2006**, although as BS6651:1999 is so well established, it is probable that it will still be referred to as a reference source.
- **BS EN 62305-4** – 'Protection against lightning - Electrical and electronic systems within structures' addresses the need to provide a surge protection system, and has been complemented by the recent addition of BSI document BIP2118 – "Protection Against Lightning - A UK guide to the practical application of BS EN 62305"
- **IEC61643-11/12** (Worldwide Standard) - A comprehensive globally accepted surge protection standard for the performance of surge protection devices
- **IEC61643-21/22** - Surge protective devices connected to telecommunications and signalling networks performance requirements and testing methods
- **BS7671:2008** - IEE Wiring Regulations 17th Edition - Section 443 Protection Against Over-voltages Of Atmospheric Origin or Due To Switching

Our range of products offer a co-ordinated approach to Electrical Surge Protection for;

- Mains Power at cable entry both three-phase & single-phase
- Sub-mains Distribution panels
- Discrete Spurs
- Data Networks & Telecom Systems

# AC Power System Protection



**MDSP Series**



**T1SP Series**



**DSP600 Series**



**6651C Series**

## Modular Distribution Surge Protectors - MDSP Series

Description	Catalogue Ref.
90kA Single Phase	MDSP1/90
90kA Three Phase	MDSP3/90
150kA Single Phase	MDSP1/150
150kA Three Phase	MDSP3/150
300kA Single Phase	MDSP1/300
300kA Three Phase	MDSP3/300
150kA MOV 12kA SAD Single Phase	MDSP1/150/12
150kA MOV 12kA SAD Three Phase	MDSP3/150/12
150kA MOV 12kA SAD Kit Three Phase	MDSPKIT3/150/12
150kA Kit Three Phase	MDSPKIT3/150
90kA Line MOV Module	DSPM/90/230R
90kA Neutral/Earth Module	DSPM/90/230NR
150kA Line MOV Module	DSPM/150/230R
150kA Neutral/Earth Module	DSPM/150/230NR
12kA Line SAD Module	DSPM/12/230R

## Lightning Surge Protectors

Description	Catalogue Ref.
<b>Type 1&amp;2 Class I/II - T1SP</b>	
12.5kA Single-pole MOV + GDT lightning and surge arrester	T1SP1/12.5/25/230R
12.5kA Three-pole MOV + GDT lightning and surge arrester	T1SP3/12.5/50/230R
25kA Single-pole MOV + GDT lightning and surge arrester	T1SP1/25/50/230R
25kA Three-pole MOV + GDT lightning and surge arrester	T1SP3/25/100/230R

## Distribution Surge Protectors

<b>Type 2 Class II - DSP600</b>	
30kA Single Phase	DSP1/600
30kA Single Phase with Remote Terminals	DSP1A/600
30kA Single Phase 'N' Type. Remote Terminals and Site Fault Condition Indicator	DSP1N/600
30kA Single Phase with Fused Disconnecter & Enclosure	DSP1/600-HS
30kA Single Phase with Fused Disconnecter, Enclosure & Remote Indication	DSP1A/600-HS
30kA Three Phase	DSP3/600
30kA Three Phase with Remote Terminals	DSP3A/600
30kA Three Phase 'N' Type. Remote Terminals, Site Fault Condition Indicator	DSP3N/600
30kA Three Phase 'L' Type. Remote Terminals, Site Fault Condition Indicator and Remote Monitoring Unit	DSP3L/600
30kA Three Phase with Fused Disconnecter & Enclosure	DSP3/600-HS
30kA Three Phase with Fused Disconnecter, Enclosure & Remote Indication	DSP3A/600-HS
Enclosure for Single Phase Distribution Surge Protector	2IP-7-0243
Enclosure for Three Phase Distribution Surge Protector	2IP-7-0244

## Sub Distribution Surge Protectors – 6651C Series

Description	Catalogue No.
10kA Single Phase	6651C/1
10kA Three Phase	6651C/3



# AC Power System Protection



SPM Series



SPLB1/13



MBP Series

## Plug-In Surge Protection - SPM Series

Description	Catalogue Ref.
<b>6kA SAD Plug-In Surge Protection Modules &amp; Base Assemblies</b>	
6kA Single Phase [L-N, L-E]	A1SPM/6/230
6kA Single Phase with Remote Indication [L-N, L-E]	A1SPM/6/230R
6kA Single Phase with Neutral/Earth	A1SPM/6/230N
6kA Single Phase with Neutral/Earth & Remote Indication	A1SPM/6/230NR
6kA Three Phase [L-N, L-E]	A3SPM/6/230
6kA Three Phase with Remote Indication [L-N, L-E]	A3SPM/6/230R
6kA Three Phase with Neutral/Earth	A3SPM/6/230N
6kA Three Phase with Neutral/Earth & Remote Indication	A3SPM/6/230NR
6kA Neutral/Earth	A1SPM/NE/6/230
<b>40kA MOV Plug-In Surge Protection Modules &amp; Base Assemblies</b>	
40kA Single Phase [L-N, L-E]	A1SPM/40/230
40kA Single Phase with Remote Indication [L-N, L-E]	A1SPM/40/230R
40kA Single Phase with Neutral/Earth	A1SPM/40/230N
40kA Single Phase with Neutral/Earth & Remote Indication	A1SPM/40/230NR
40kA Three Phase [L-N, L-E]	A3SPM/40/230
40kA Three Phase with Remote Indication [L-N, L-E]	A3SPM/40/230R
40kA Three Phase with Neutral/Earth	A3SPM/40/230N
40kA Three Phase with Neutral/Earth & Remote Indication	A3SPM/40/230NR
40kA Neutral/Earth	A1SPM/NE/40/230
<b>Replacement Plug-In Surge Protection Modules</b>	
6kA SAD Module	SPM/6/230
6kA SAD Neutral/Earth Module	SPM/NE/6/230
40kA MOV Module	SPM/40/230
40kA MOV Neutral/Earth Module	SPM/NE/40/230
<b>DIN Rail Modular Connection Bases</b>	
Single Module Base	SPMB1
Single Module Base With Remote Indication	SPMB1/R
Two Module Base	SPMB2
Two Module Base With Remote Indication	SPMB2/R
Three Module Base	SPMB3
Three Module Base With Remote Indication	SPMB3/R
Four Module Base	SPMB4
Four Module Base With Remote Indication	SPMB4/R

## Spur Protector - SPLB1/13

Description	Catalogue Ref.
6.5kA, 13 Amp Spur Protector	SPLB1/13

## Mains Barrier Surge Protectors - MBP Series

Description	Catalogue Ref.
10kA, 5 Amp Mains Barrier Surge Protector	MBP5/230
10kA, 16 Amp Mains Barrier Surge Protector	MBP16/230

## Office and Home

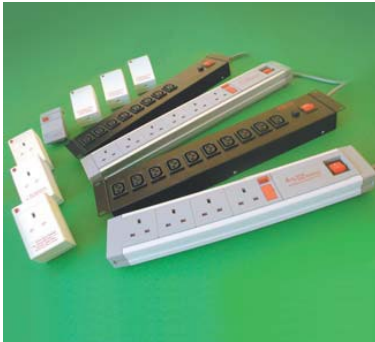
We have a wide range of products designed to provide surge protection of electrical equipment and appliances in all commercial and domestic applications.

They include

- Plugs and Adaptors,
- Multi-way Socket Strips
- Data Protection Modules.

All are designed to address the requirements of current relevant National and International Standards (EN, BS, IEC, etc)

## Office & Home Protection



**Surge Protected Filter Adaptors, Plugs and Socket Strips**



**Schuko Unprotected & Surge & RFI Filtered Socket Strips**



**IEC Surge Protected & RFI Filtered Socket Strips**

### Surge Protected Socket Strips

Description	Catalogue Ref.
4 Way, 13 Amp Surge Protector	423GBA
6 Way, 13 Amp Surge Protector	623GBA
10 Way, 10 Amp IEC 19" Rack Mounted Surge Protector	1028IEC/GB

### Surge and RFI Protected Socket Strips

Description	Catalogue Ref.
2 Way, 13 Amp Surge and RFI Protector Aluminium Housing	232GBA
2 Way BS1363 & 4 Way IEC, 10 Amp Surge and RFI Protector - Aluminium Housing	232GBA/4IEC
4 Way, 13 Amp Surge/Noise Protector	443GBA
4 Way, 13 Amp Surge and RFI Protector	431GBA
4 Way, 13 Amp Surge and RFI Protector Aluminium Housing	432GBA
4 Way, 13 Amp Surge and RFI Protector With RCD	432GBL
6 Way, 13 Amp Surge and RFI Protector Aluminium Housing	632GBA
6 Way, 13 Amp Surge/Noise Protector	643GBA
6 Way, 13 Amp Surge and RFI Protector	631GBA
6 Way, 10 Amp IEC Surge and RFI Protector	632IEC/GB
8 Way, 10 Amp IEC 19" Rack Mounted Surge and RFI Protector	838IEC/GB
10 Way, 10 Amp IEC Surge and RFI Protector	1032IEC/GB

### Surge and Modem/Telecom Protected Socket Strip

Description	Catalogue Ref.
4 Way, 13 Amp Surge and Modem/Telecom Protector	423GBD

### SCHUKO Socket Strips

Description	Catalogue Ref.
6 Way, 16 Amp SCHUKO Surge and RFI Protector	632DA
6 Way, 16 Amp SCHUKO Unprotected Sockets	603DA

### Unprotected BS1363 & IEC Socket Strips

Description	Catalogue Ref.
4 Way, 13 Amp BS1363 Unprotected Sockets	403GBA
6 Way, 13 Amp BS1363 Unprotected Sockets	603GBA
6 Way, 10 Amp IEC Unprotected Sockets	602IEC/GB
10 Way, 10 Amp IEC Unprotected Sockets	1002IEC/GB

### Surge Protected & RFI Filtered Plugs/Adaptors

Description	Catalogue Ref.
3 Amp Filter Plug	FP3
7 Amp Filter Plug	FP7
13 Amp Filter Plug	FP13
3 Amp Filter Adaptor	FA3
7 Amp Filter Adaptor	FA7
13 Amp Filter Adaptor	FA13

### Surge Protected Plug

Description	Catalogue Ref.
10 Amp Tranquil Protector Plug	TRANQ/TE

## Data Networks & Telecoms

Global Communications Networks continue to grow in importance in all aspects of life and protection from over-voltage surges from both internal & external sources is paramount.

At PD we have developed various Modules with high surge handling capability for protection of Commercial & Industrial applications including;

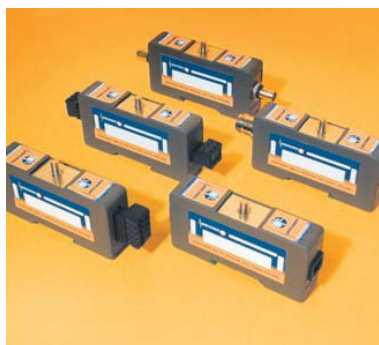
- LAN's
- CCTV
- Serial Interfaces
- PABX
- PSTN
- Fax
- Modems and LTE
- WiMax Networks

These products are designed to provide protection as standalone modules, or in selective combination for full data and power line coverage

Servers, mainframe computers, PABX, and similar hardware are important for providing critical services and should therefore be fitted with local surge protection.



## Data / Network and Telecom System Protection



**DBP Series**



**TLP Series**

### Data / Network Barrier Surge Protectors - DBP Series

Description	Catalogue No.
RS485 ST Barrier, 10kA, 2 Wire, 6 Volt	DBP/2/06
RS232 ST Barrier, 10kA, 2 Wire, 15 Volt	DBP/2/15
RS232 ST Barrier, 10kA, 4 Wire, 15 Volt	DBP/4/15
RS422 ST Bi-polar, 10kA, 2 Wire, 15 Volt	DBP/2/15
4-20mA ST Loop Barrier, 10kA, 2 Wire, 30 Volt	DBP/2/30
4-20mA ST 2 Pair Loop Barrier, 10kA, 4 Wire, 30 Volt	DBP/4/30
ST Barrier, 10kA, 2 Wire, 50 Volt	DBP/2/50
ST Barrier, 10kA, 2 Wire, 50 Volt, Low Resistance	DBP/2/50L
10Base2 Barrier, 10kA, BNC Connectors	DBP/BNC/10B2
10Base5 Barrier, 10kA, 'N' Type Connectors	DBP/N/10B5
10/100Base T, Category 5 Barrier, 10kA, RJ45 Modular Jack Connectors	DBP/RJ45/100BT
IBM 3270TM, CCTV & Video Barrier, 10kA, BNC Connectors	DBP/BNC/CCTV
CCTV & Video ST Barrier, 10kA, 2 Wire	DBP/2/CCTV
CCTV & Video ST Barrier, 10kA, 75 Ohm BNC Connectors	DBP/BNC75/CCTV
Cable TV/Satellite, 10kA, F Connectors	DBP/CATV

### Telecom Line PABX Surge Protectors - TLP Series

Description	Catalogue No.
Ten Pair PABX Surge Module, LSA Plus(TM) Connectors	TLP10LR
Ten Pair PABX Surge Module, LSA Plus(TM) Connectors Automatic Resetting Overcurrent Protection	TLP10
Single Pair PABX Surge Module, LSA Plus(TM) Connectors	TLP1PALR
Single Pair PABX Surge Module, LSA Plus(TM) Connectors Automatic Resetting Overcurrent Protection	TLP1PA
Single Pair Hard Wired Surge Module, Flying Leads	TLP1ALR
Single Pair Hard Wired Surge Module, Flying Leads, Automatic Resetting Overcurrent Protection	TLP1A
Earth Bar for use with Single Pair PABX Modules	2P-S20
Inline 6 Wire BT Type Plug-in Module, DIN Rail	TLP/6/BT
Inline Hard Wired 4 Wire Module, DIN Rail	TLP/4
Inline 2 Wire RJ11 Type Plug-in Module, DIN Rail	TLP/2/RJ11
Inline 4 Wire RJ11 Type Plug-in Module, DIN Rail	TLP/4/RJ11
Inline 6 Wire RJ11 Type Plug-in Module, DIN Rail	TLP/6/RJ11

## Rail Transport System Protection

Today's Transport systems require surge protection for electrical equipment in the total infrastructure, including:

### Network Power and Signalling systems

We offer a specialised range of products designed to address the protection requirements of both above and below ground trackside supply, infrastructure, signalling and onboard applications.

Description	Catalogue No.
A unique design of Arresters for use in traction applications. Tested and approved to BS EN60099-4 to meet the requirements of Class 3 10kA applications. Ref EN50123-5. Various Rated Voltages available	PDTA
Low Voltage Limiter devices for the reduction of 'touch-voltages' on infrastructure. Ref EN50123-5	PDLVLb500
Bracket Mounted Surge Arrestor	PDBMA
A range of Sheath Voltage Limiter components for the cross-bonding of cable sheaths and ground continuity conductor	PDSVL
These single phase devices with MOV or SAD component technology, are designed for Rail applications to help reduce the failure rate of TFM's during lightning storms	RTM
AZA Series – Bespoke designs used for the protection of DC Exciter supplies	AZA



PDTA



PDBMA



PDLVLb500



RTM

## Electrical Power Generation



**AZA Series**

Our AZA Series of MOV (metal oxide varistor) assemblies offers customised options for the overvoltage/surge protection of DC exciters and similar or allied systems. A wide range of Continuous Operating Voltages and system energies can be accommodated in robust and compact assemblies.

These can be supplied as discrete units or configured on mounting plates for direct installation.

Description	Catalogue No.
AZA Series – Bespoke designs used for the protection of DC Exciter supplies	AZA

## Electrical Power Distribution

We provide a range of Medium Voltage silicone housed Surge Arresters (ASM) and a unique complementary range (ASI) which functions as an arrester and support Insulator. Our SVL series provides protection from over-voltages on cable sheaths by the cross-bonding of the sheaths and the ground continuity conductor.

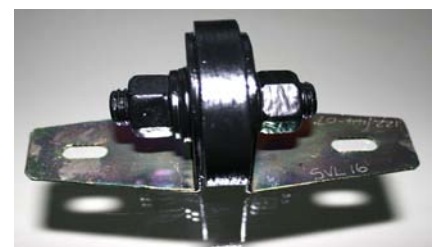
This range of 10kA Class 1 distribution arresters are fully tested and approved to EN60099-4 : 2004 and IEC61109 : 1999.

Numerous assembly accessories are available, details upon request.

Description	Catalogue No.
<i>Combined Tension Insulator &amp; Surge Arrester</i> – Applicable to MV distribution systems and approved to EN60099-4 : 2004. Rated Voltage range can be extended on demand.	ASI
<i>Silicone Housed Gapless Surge Arrester</i> – Applicable to MV distribution systems and approved to EN60099-4 : 2004. Rated Voltages from 5.0 to 45.0kVrms. Various termination accessories available.	ASM
<i>Sheath Voltage Limiting Series</i> – Sheath Voltage Limiters to suppress induced voltages in cable sheaths. Detail on the numerous ratings available on request.	SVL



**ASI Series**



**SVL Series**

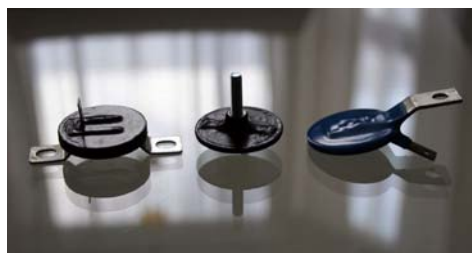
## Metal Oxide Varistors

Power Supply Networks and Electronics Systems with high component densities and low withstand semiconductors, demand an effective method of over-voltage protection. We provide varistors with:

- High Energy and Current withstand capability.
- Low clamping Voltage
- Fast Reponse (few 10's of nanoseconds)
- Suitable for AC and DC applications
- Bipolar operation
- Very low leakage current

At PD we offer further Advantages including;-  
Customised solutions and a wide range of operating parameters.

Description	Catalogue No.
Low Voltage 5mm Diameter Disc	B Range
Medium Voltage 5mm Diameter Disc	B Range
Low Voltage 7mm Diameter Disc	C Range
Medium Voltage 7mm Diameter Disc	C Range
Low Voltage 10.0mm Diameter Disc	D Range
Medium Voltage 10.0mm Diameter Disc	D Range
Low Voltage 12mm Diameter Disc	E Range
Medium Voltage 12mm Diameter Disc	E Range
Low Voltage 14mm Diameter Disc	F Range
Medium Voltage 14mm Diameter Disc	F Range
Low Voltage 20mm Diameter Disc	G Range
Medium Voltage 20mm Diameter Disc	G Range
Medium Voltage 23mm Diameter Disc	J Range
Higher Energy Medium Voltage Disc Diameters: NP - 32mm LP - 36mm PS - 36mm	NP, NP2, LP, LP2 & PS RANGE
Higher Energy Medium Voltage 35mm Diameter Disc	H Range
Axial Leaded & Surface Mount	X & SM Range
Alternative Packaging Suggestions	Packaging
Bandoliering	



# Device Selection Table

MCOV		Range	B	C	D	-	F
		Max Surge	100A	250A	500A		1000A
dc	ac rms	Type					
13	10	ZL10	0.4	0.8	1.6	-	3.5
17	13	ZL13	0.5	1.0	2.0	-	4.0
18	14	ZL14	0.5	1.2	2.0	-	4.0
22	17	ZL17	0.6	1.3	2.5	-	5.0
26	20	ZL20	0.7	1.5	3.0	-	6.0
31	25	ZL25	0.8	1.7	3.5	-	7.0
38	30	ZL30	1.1	2.3	4.5	-	8.5
45	35	ZL35	1.3	2.7	5.5	-	10
56	40	ZL40	1.6	3.2	6.5	-	13

MCOV		Range	B	C	D	E	F	G
		Max Surge	400A	1200A	2500A	2500A	4500A	6500A
dc	ac rms	Type						
65	50	ZL50	2.0	4.0	9.0	-	14	-
85	60	ZL60	2.7	6.0	13	-	19	-
100	75	ZL75	3.0	5.0	11	13	20	35
120	95	ZL95	3.5	6.0	15	18	25	50

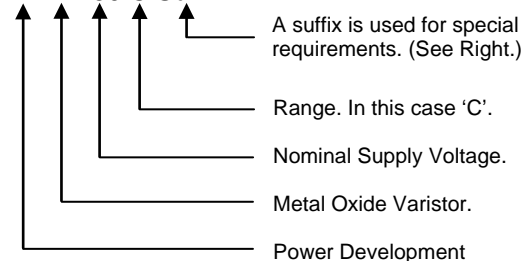
MCOV		Range	B	C	D	E	F	G	J	NP	LP & PS	HP & HL	HHP
		Max Surge	400A	1200A	2500A	3000A	4500A	6500A	8000A	10000A	12000A	20000A	30000A
dc	ac rms	Type											
157	121	Z110	5.0	10	14	18	35	50	60	-	-	-	-
172	132	Z120	5.5	11	17	22	48	70	72	100	120	200	220
195	150	Z135	6.5	13	19	27	59	80	82	120	145	220	-
214	165	Z150	7.0	14	20	32	67	90	92	125	150	-	-
260	200	Z180	8.0	16	25	34	77	100	110	130	155	-	-
325	250	Z220	11	21	34	47	85	130	133	160	190	340	400
329	253	Z230	11	21	34	47	85	130	133	160	190	-	400
358	275	Z250	12	23	40	52	90	145	150	180	215	360	460
416	320	Z280	13	25	42	54	95	160	164	210	250	400	-
458	352	Z320	15	26	44	57	100	175	180	230	275	-	-
546	420	Z380	18	28	50	64	120	185	190	260	310	450	625
598	460	Z415	19	30	55	70	130	195	200	290	350	500	700
629	484	Z440	20	32	59	74	135	200	210	320	380	530	-
675	525	Z480	-	-	-	80	140	210	220	-	-	-	-
710	550	Z500	-	-	-	85	150	215	225	350	420	-	-
754	580	Z525	-	-	-	89	155	220	230	355	435	600	-
780	605	Z550	-	-	-	95	160	230	240	-	-	-	-
825	632	Z575	-	-	-	-	165	250	256	375	450	-	-
850	660	Z600	-	-	-	-	170	260	275	400	480	650	950
950	726	Z660	-	-	-	-	190	275	282	450	540	750	-
1072	825	Z750	-	-	-	-	-	-	-	510	610	-	-
1115	858	Z780	-	-	-	-	-	-	-	520	620	-	-
1215	935	Z850	-	-	-	-	-	-	-	600	720	-	-
1200	1000	Z900	-	-	-	-	-	250	360	370	650	780	-

## How to select a product:

1. Find the maximum continuous operating voltage (MCOV) for your application on the table.
2. Read the number type from the column to the right
3. Read across the table until your required maximum energy, in J, is equalled or exceeded.
4. Move up the table to confirm that the maximum surge current is sufficient for the application.
5. If the surge current rating is not sufficient, move along the table until the current is equalled or exceeded.
6. Move up the table and read the range letter.
7. Confirm that the maximum clamping voltage is within the required limit from the individual range datasheet available at [www.pddevices.co.uk](http://www.pddevices.co.uk)

### Product Coding:

PD Z 250 C Suffix



### Suffix Code:

- No Suffix = Leads formed parallel to contact faces, i.e. offset.
- K = Kinked leads formed to be in same plane as Varistor disc.
- C25 = Cropped leads followed by the length in mm. In this case 25mm.
- D = Bare disc silvered.
- M10 = Matched sets. In this case 1 set = 10 Varistors. (Please specify matching requirements).
- R = Revised electrical specification for custom selection.
- SO = Bare disc tinned.
- T/R = Tape and Reeled.
- W/C = Wired and Coated versions of the NP and LP ranges.
- W = Wired but uncoated disc.



## Defence & Security

### *Electro Magnetic Pulse Protection Modules (H.E.M.P.)*

We manufacture a wide range of products to protect against the effects of high altitude detonation of Nuclear devices. The result of such an event is the generation of Electromagnetic Pulses which will induce a high voltage transient in exposed conductors.

The EMP can affect several thousands of square kilometres, with a magnitude of tens of kilovolts. This could result in serious damage to insulation, cause breakdown of semiconductors and the consequent malfunction of critical equipment. Most notable would be the failure of Energy Power Supply and Communications Systems.

We offer products to satisfy protection for most applications:-

- From low voltage telecommunications and signal lines to high current and voltage installations.
- From 10V, 5A continuous with a maximum surge current capability of 4.5kA (8/20µs), up to and including 500V, 600A continuous, with a 50kA maximum surge.

Description	Catalogue No.
16 channel devices for use in Zone 2. Uc 10 – 120Vac and 12 – 156Vdc.	ZOMM108 Series
8 channel devices for use in Zone 2. Uc 10 – 120Vac and 12 – 156Vdc.	ZOMM108 Series
2 channel devices for use in Zones 0,1 and 2. Uc 120 - 440Vac.	ZOMM123 Series
4 channel devices for use in Zones 0,1 and 2. Uc 120 - 440Vac.	ZOMM123 Series
33 channel devices for use in Zone 2. Uc 25 – 280Vac.	ZOMM124 Series
2 channel devices for use in Zone 1 Uc 50 - 320Vac.	ZOMM127 Series
4 channel devices for use in Zone 1 Uc 50 - 320Vac.	ZOMM127 Series
2 channel devices for use in Zone 1 Uc 50 - 320Vac - High Power	ZOMM127A Series
4 channel devices for use in Zone 1 Uc 50 - 320Vac - High Power	ZOMM127A Series
8 channel devices for use in Zone 1 Uc 50 - 320Vac	ZOMM131 Series
16 channel devices for use in Zone 2. Uc 25 – 280Vac.	ZOMM131 Series
2 channel devices for use in Zones 0, 1 and 2. Uc 110 – 440Vac.	ZOMM133 Series
4 channel devices for use in Zones 0, 1 and 2. Uc 110 – 530Vac.	ZOMM135 Series
1 channel devices for use in Zones 0, 1 and 2. Uc 50 – 600Vac.	ZOMM141 Series
4 channel devices for use in Zones 0, 1 and 2. Uc 50 – 280Vac.	ZOMM205 Series
8 channel devices for use in Zones 0, 1 and 2. Uc 50 – 280Vac.	ZOMM205 Series
30 channel devices for use in Zones 0, 1 and 2. Uc 50 – 280Vac.	ZOMM221 Series
4 channel devices for use in Zones 0, 1 and 2. Uc 120 – 440Vac.	ZOMM223 Series
2 channel devices for the protection of Emergency Lighting. Uc 110 – 250Vac.	ZOMM237 Series
2 channel device for use as a Signal and Telephone Line protector.	ZOMM301
2 channel device for use as a Signal and Telephone Line protector.	ZOMM301S

## Notes

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