

ZOMM Series

(Zinc Oxide Military Modules)

ZOMM 123/3S16/6/4

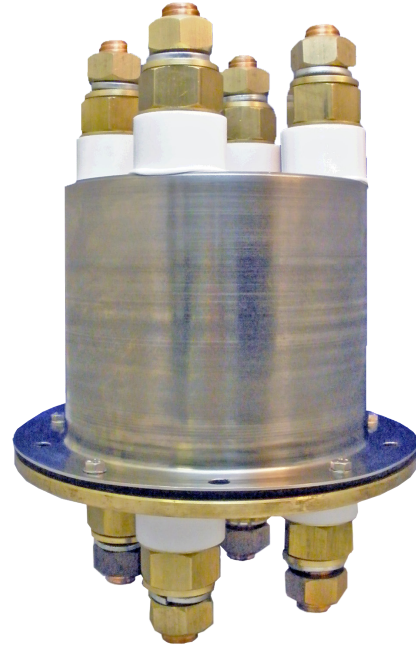
PD Devices Ltd manufacture a wide range of products to protect against the effects of high altitude detonation of Nuclear devices. The result of such an event is the generation of Electromagnetic Pulses which will induce a high voltage transient in exposed conductors.

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.

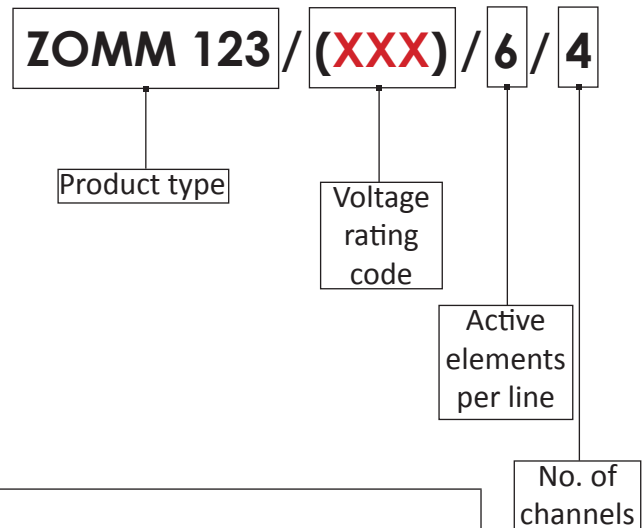
Most notable would be the failure of Energy Power Supply and Communications Systems.

The ZOMM 123/3S16/6/4 has been designed specially for the protection of 3 phase,PWM, Motors. Devices to different peak voltage conditions are available.



Specification	
No. of channels	4
50 Shot (4/20µs) Repetitive Duty	5000A
Response Time	<10ns
Continuous Current per Channel	600A
Max. (8/20µs) Current per Channel	50000A
Leakage Current per Channel at Rated Voltage, DC	<200µA
Through Inductance	<10µH
Volts Drop	Negligible
Terminations	24mm Copper
Bushes	PTFE
Earth Connection	To Base Plate
Recommended Torque per M18 Terminal	40Nm (Ensure terminal does not rotate)

Explanation of Order Code



PD Devices reserves the right to amend specifications in line with product development.

Specification		
Continuous Operating Voltage	AC (rms)	690AC, 3kHz, 3 Phase PWM, (2160Vmax)
Energy per channel (Joules)	(10/1000µs)	2900 Joules
Max. Peak Clamping Volts @	100A (8/20µs)	5500V
No. of channels		4
Part Code:		ZOMM123/3S16/6/4

Revision: vPD4, 16/05/17
Information subject to change without notice.

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application.



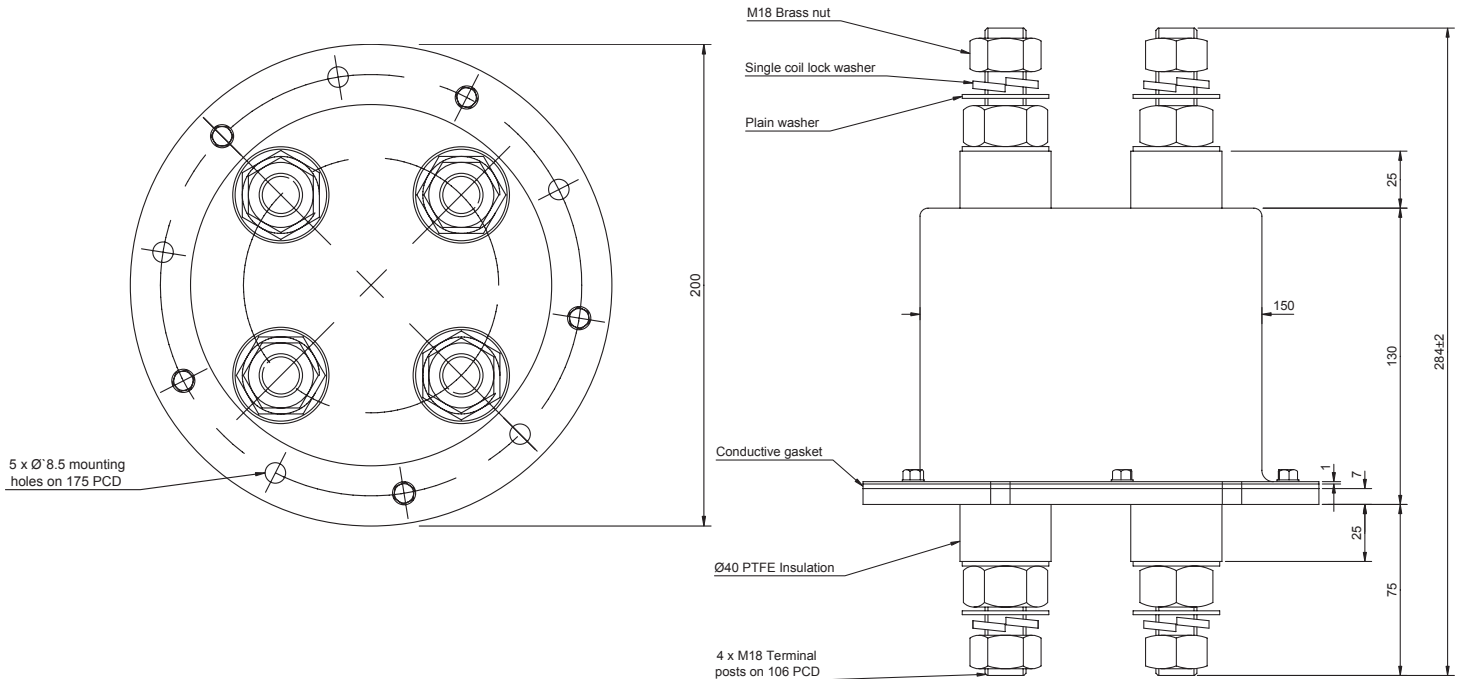
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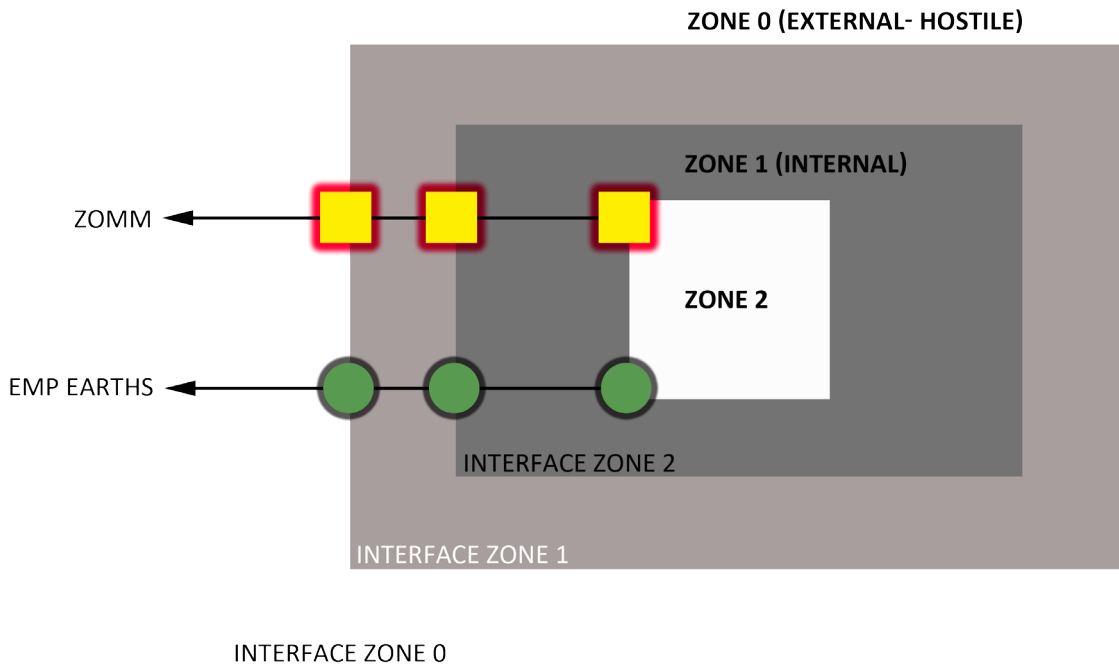
ZOMM 123/3S16/6/4



ZOMM 123/3S16/6/4 Diagram in mm



This ZOMM Application is recommended for Zone 0,1 & 2



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