

ZOMM Series

(Zinc Oxide Military Modules)

ZOMM 131/(XXX)/1/16

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. We offer products to satisfy protection for most applications

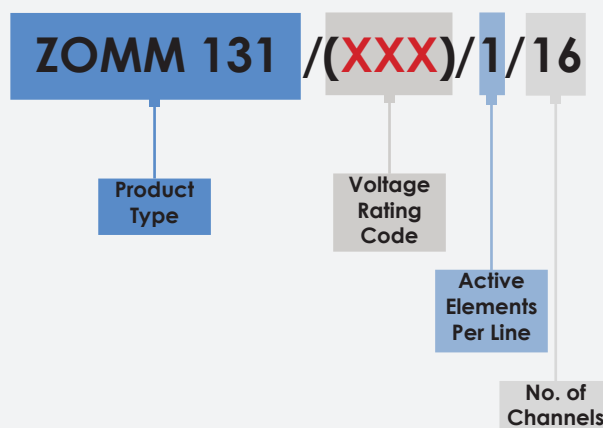
(XXX)		30	300	301	302	303	304	305	306	307	308	309	310
Continuous Operating Voltage	AC (rms)	25	50	60	95	110	120	135	150	180	220	250	280
	Energy per channel (Joules)	(10/1000µs)	5	12	15	20	25	37	45	50	60	70	80
Max. Peak Clamping Volts @	10A (8/20µs)	100	-	-	-	-	-	-	-	-	-	-	-
Max. Peak Clamping Volts @	100A (8/20µs)	-	150	175	250	315	345	400	430	525	650	715	830

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

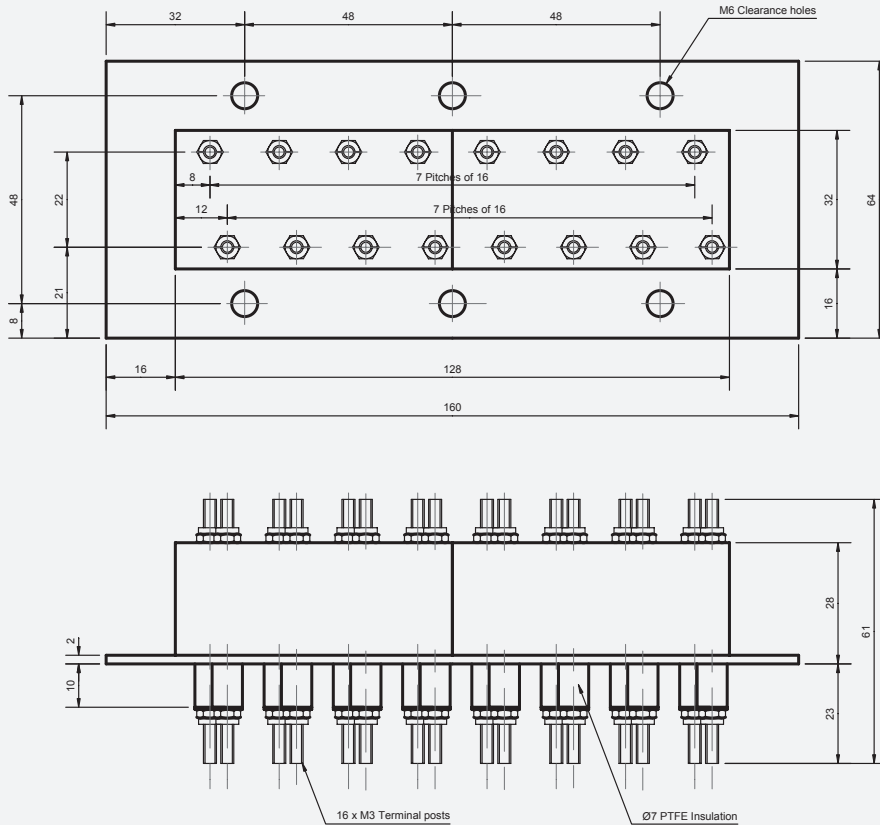
Characteristics:

No. of channels	16
50 Shot (4/20µs) Repetitive Duty	30 – 302 = 300A 303 – 310 = 600A
Response Time	<10ns
Continuous Current per Channel	10A
Max. (8/20µs) Current per Channel	30 – 302 = 1000A 303 – 310 = 4500A
Leakage Current per Channel at Rated Voltage, DC	<100µA
Through Inductance	<10µH
Volts Drop	Negligible
Terminations	3mm Dia Brass
Bushes	PTFE
Earth Connection	To Base Plate
Recommended Torque per M4 Terminal	1.0Nm (Ensure terminal does not rotate)

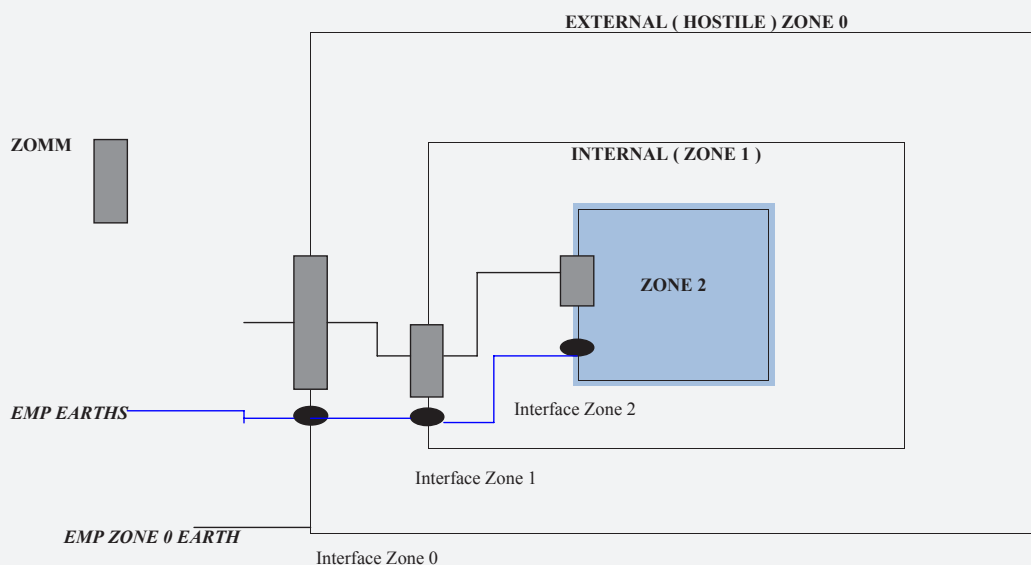
Explanation of Order Code



ZOMM 131/(XXX)/1/16 Diagram



This ZOMM Application is recommended for Zone 2



For any specific design requirement and / or query regarding this product Series please contact our Customer Service Department on +44 (0)1364 649248 to discuss further.

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. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale.