

ZoneGuardian range

MTL Surge Protection for power,
telecom and LAN/WAN networks

- Five stage hybrid technology
- Unlimited customer configurable expansion
- Compatible with CPP snap-in communication port protection modules
- DENAN-UL certification for ZG43005J



The ZoneGuardian range is fully configurable and designed to provide the highest degree of power protection available combined with superior protection for computer LAN and WAN networks. The ZoneGuardian is available as a 3 outlet power strip. The 3 outlet power strip plugs in via a power cord

The ZoneGuardian range provides exceptional power protection and when coupled with the CPP (communication port protection) modules, this amazing device also protects your telecom and LAN applications. The snap-in feature of the the CPP modules allows for the easy addition or reconfiguration of your solution to suit your changing technological needs- simply snap in a new CPP modules as required. CPP telecom modules are available with RJ11 connector types. Network protection CPP modules are supplied with RJ45 connectors.

The ZoneGuardian incorporates fail-safe protection through both in-line thermal and short circuit fusing. The critical grounding connection achieves a common reference for both the surge protection and communication protection modules, eliminating the most common surge protection installation error.

ZoneGuardian

MTL Surge protection for power, telecom and LAN/WAN networks

December 2021

SPECIFICATION

All figures typical at 77°F (25°C) unless otherwise stated

Maximum discharge current(I_{max})

10kA(8/20μS)

Nominal discharge current (I_n)

5kA(8/20μS)

Load Current

15 Amps

Working Voltage

100V AC

Max. power

1500 VA

Response time

<25nS

Application

single phase

Fuse rating

25A

Temperature range/Humidity

-30°C to +70°C/ 5-95% rH (non condensing)

LED indication

Green- Power ON, product healthy
Red- Faulty product

Modes of Protection

L-N, L-G, N-G

Compliance standards

IEC 61643-11:2011 for ZG43005J
IEC 61643-21:2000/A2:2012 for CPP modules

To order specify -

ZG43005J 3 outlet power strip
Protection modules as per the part numbers listed in the specification table below

Model	Type	Outlets	Maximum discharge current (kA)	Working voltage	Let-through voltage/Up (V)		
ZG43005J	AC power strip	3	10kA	100V	L-N	N-G	L-G
					400	800	800

Module Part #	Connector type	Maximum operating frequency (Mhz)	Up@ In L-L.(V)	Maximum discharge current (KA)	Application
CP24001	RJ11	N/A	280	2	Secondary 2-wire Dial up
CP24003	RJ11	N/A	280	2	Secondary 4-wire Lease Line
CP24040J	RJ45	>155	30	0.75	Secondary 8 wire Cat.5 LAN
CP24040J-NC	RJ45	>155	30	0.75	Secondary 8 wire Cat.5 LAN - without cable

Nominal discharge current (I_n),C2-
0.5kA(8/20μS)/1kV(1.2/50μS)



Eaton Electric Limited,
Great Marlings, Butterfield, Luton
Beds, LU2 8DL, UK.
Tel: + 44 (0)1582 723633 Fax: + 44 (0)1582 422283
E-mail: mtlenquiry@eaton.com
www.mtl-inst.com

© 2021 Eaton
All Rights Reserved
Publication No. EPS 901-150 Rev G 201221
December 2021

DIMENSIONS

ZG43005J

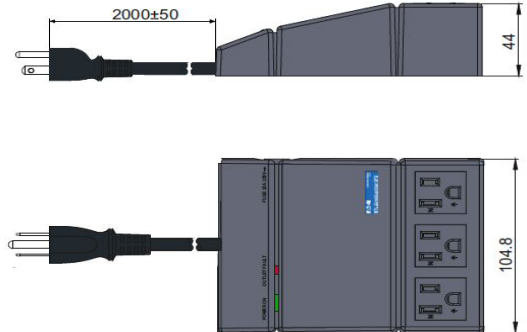


Figure 1 - Dimensions in mm

'Snap-in' Communication Port Protection module (CPP modules)

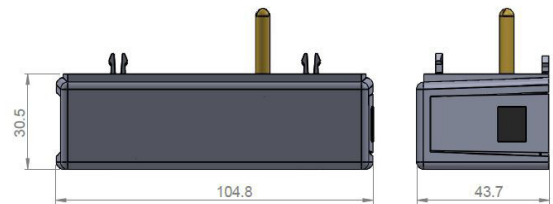


Figure 2 - Module Dimensions in mm

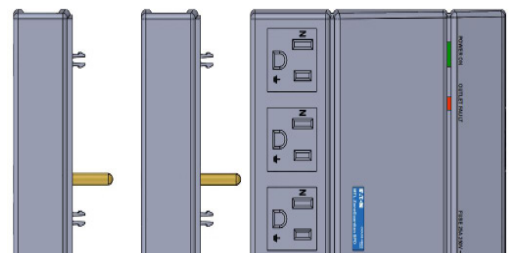


Figure 3 - Module installation

Approvals

Country	Standard/Authority	Approved for	Product
United States	UL497A/ UL	Secondary Protector	CP24001, CP24003
Japan	DENAN technical requirements Ministerial ordinance Appendix 4 , Appendix 10/ UL	Other plug-couplers)	ZG43005J

EUROPE (EMEA):
+44 (0)1582 723633
mtlenquiry@eaton.com

THE AMERICAS:
+1 800 835 7075
mtl-us-info@eaton.com

ASIA-PACIFIC:
+65 6 645 9888
sales.mtlsing@eaton.com

The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.