## Product Datasheet

MPP-VDSL-IP67

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This Modular Plug Protector provides surge protection for twisted pair fibre to node telecommunication services in an outdoor weatherproof housing. The MPP-VDSL-IP67 is rated to IP67, if installed in accordance with the installation manual. It is suitable for protecting telephones, FAX, dial-up services and modems connected using VDSL2 services. It can replace the use of indoor type products where an additional weatherproof housing would be required.
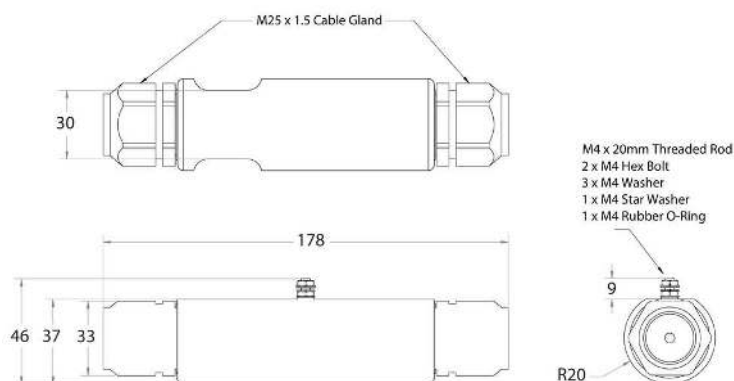
NBN Compatible

The MPP-VDSL-IP67 is suitable for NBN fibre node to premises copper VDSL2 connections where the surge protector has to be housed outdoors.

Wiring
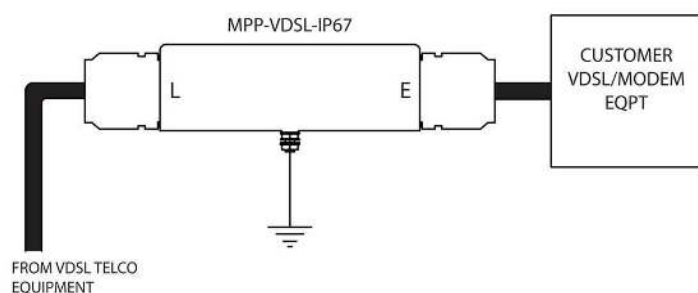
Dimensions

Standards

IEC 61643-21	SPD connected to telecommunications and signalling networks - Cat C2, D1
AS1768	Signalling/Telecommunications surge protection
AS/NZS 4117	Surge Protective Devices for Telecommunications Applications

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Product Datasheet

Electrical Specifications

Connection type	⚡	Series
Number of lines	☰	1 pair
Modes of protection	⅄	Transverse & Common
Maximum continuous voltage (DC)	U_c	230V
Maximum continuous voltage (AC)	U_c	162V
Maximum discharge current (8/20 µs)	I_{max}	5kA
Maximum common mode discharge current (8/20 µs)		10kA
Maximum discharge current (10/350 µs)		1kA
Maximum common mode discharge current (10/350 µs)	I_{imp}	2kA
Impulse durability C2 10x8/20µs		1.5kA
Impulse durability D1 2x10/350µs		0.5kA
Maximum load current	I_L	1A
AC durability 5x1s		1A rms
Overstressed fault mode		Mode 3
Response time	t_A	<5ns
3 dB Frequency @ 150 Ω		80MHz

Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ µs	U_p	950V
Capacitance	⊣⊢	8pF

Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ µs	U_p	770V
Voltage protection level @ 100 V/ s		440V
Capacitance	⊣⊢	8pF

Mechanical Specifications

Minimum operating temperature	🌡	-40°C
Maximum operating temperature	🌡	70°C
Minimum operating humidity	💧	5%
Maximum operating humidity	💧	95%
Mounting method	🔧	Outdoor, see installation manual for details
Environmental rating	☔	IP67
Enclosure material	📦	Body: Nylon 66, Glands: Nylon 6
Enclosure finish	🖌	Raw, laser etched graphics
Terminal type		RJ45 socket
Earthing		>400V isolation
Length	↗	178mm
Width	↔	40mm
Height	↕	46mm

Other Specifications

Product Code	▥	MPP-VDSL-IP67

Shipping Specifications

Weight	⚖	172g
Customs tariff	🔨	85363000, 85363010

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