

## Product Datasheet

## MPP-RJ12-2

## RJ Modular Plug Protection

The Modular Plug Protector provides protection for twisted pair telecommunication services suitable for telephones, FAX, dial-up, ISDN and DSL modems



Image for illustrative purposes only

## Specifications

## Electrical Specifications

|                                                        |           |                       |
|--------------------------------------------------------|-----------|-----------------------|
| Connection type                                        |           | Series                |
| Number of lines                                        |           | 2 pair                |
| Modes of protection                                    |           | Transverse and Common |
| Maximum continuous voltage (DC)                        | $U_c$     | 200V                  |
| Maximum continuous voltage (AC)                        | $U_c$     | 140V                  |
| Maximum discharge current (8/20 $\mu$ s)               | $I_{max}$ | 10kA                  |
| Maximum common mode discharge current (8/20 $\mu$ s)   |           | 10kA                  |
| Maximum discharge current (10/350 $\mu$ s)             | $I_{imp}$ | 1.25kA                |
| Maximum common mode discharge current (10/350 $\mu$ s) | $I_{imp}$ | 2.5kA                 |
| Impulse durability C2 10x8/20 $\mu$ s                  |           | 5kA                   |
| Maximum load current                                   | $I_L$     | 350mA                 |
| Line resistance                                        |           | 8.2 $\Omega$          |
| Earthing                                               |           | Direct                |

## Electrical (L-L) Specifications

|                                          |       |      |
|------------------------------------------|-------|------|
| Voltage protection level @ 1 kV/ $\mu$ s | $U_p$ | 150V |
| Response time                            | $t_A$ | 1ps  |

## Electrical (L-PE) Specifications

|                                          |       |      |
|------------------------------------------|-------|------|
| Voltage protection level @ 1 kV/ $\mu$ s | $U_p$ | 350V |
|------------------------------------------|-------|------|

## Mechanical Specifications

|                               |  |                  |
|-------------------------------|--|------------------|
| Minimum operating temperature |  | -40°C            |
| Maximum operating temperature |  | 70°C             |
| Minimum operating humidity    |  | 5%               |
| Maximum operating humidity    |  | 95%              |
| Mounting method               |  | Freestanding     |
| Environmental rating          |  | IP20             |
| Enclosure material            |  | Aluminium        |
| Enclosure finish              |  | Black powdercoat |
| Terminal type                 |  | RJ12             |
| Length                        |  | 95mm             |
| Width                         |  | 26mm             |
| Height                        |  | 26mm             |

## Standard Specifications

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| IEC 61643-21 | SPD connected to telecommunications and signalling networks - Cat C2 |
| AS 1768      | Signalling/Telecommunications surge protection                       |
| AS/NZS 4117  | Surge Protective Devices for Telecommunications Applications         |

## Shipping Specifications

|                |  |                    |
|----------------|--|--------------------|
| Weight         |  | 100g               |
| Customs tariff |  | 85363000, 85363010 |

## Other Specifications

|              |  |            |
|--------------|--|------------|
| Product Code |  | MPP-RJ12-2 |
|--------------|--|------------|