



1. GENERAL APPLICATIONS

STABIL Surge Protector is the world latest innovative designed technology for the Data Line Surge Protector today and beyond, the STABIL Surge Protector has the fastest and finest surge protection performance than ever before which has the extremely fast response time by less than milliseconds, the circuit has also designed with very low loss, over voltage / over current protections concept with the new technology of resettable function therefore you can highly confident to get on the best surge protection performance products.

2. FEATURES

- 2.1 All modes protection
- 2.2 The protector consists of the following components :
 - Three Electrode Arrester with fail safe
 - Super Active Protection
 - Hybrid Clamping Circuit
- 2.3 Control unit protected for 3 or 5 wires RS485 digital mode interface
- 2.4 Screw type terminals for easy installation

3. ELECTRICAL DATA

The completed protector meets the electrical specifications as follows :

MDL-485-W3T
MDL-485-W5T
MRO-485-W3T
MRO-485-W5T

Surge Protector for RS485 interface



RESETTABLE
FUNCTION

SSAP
Technology

Description	Specification
3.1 Protection mode	All modes
3.2 Max. line voltage	20 Vdc
3.3 Voltage protection level	< 90 V at 1kV / μ Sec
3.4 Response time	Instantaneous
3.5 Capacitance	< 50 pF at 1 kHz
3.6 Operating temperature	- 10 °C to 70 °C
3.7 DC resistance	< 9 Ω at 25 °C
3.8 Nominal current	< 80 mA at 25 °C
3.9 Trip time	< 500 mSec at 600 mA
3.10 Transient surge current	2.5 kA at 8/20 μ Sec
3.11 AC discharge current	2.5 A at 50 Hz , 1 Sec
3.12 Housing material (indoor / outdoor application)	Metal / ABS Plastic (UL94V-0)
3.13 Connection type	Screw type terminal
3.14 Mounting	Individual or 35 mm. DIN rail mounting
3.15 Standard according	IEC 61643-21, ANSI/IEEE C62.41.1-2002, ITU-T Rec K12 and EIA/TIA-485

