

# STABIL Resettable Data Line Surge Protector



## 1. GENERAL APPLICATIONS

STABIL Resettable Data Line Surge Protector with **SSAP™** Technology is the world latest innovative designed technology for the Data Line Surge Protector today and beyond, the STABIL Resettable Data Line Surge Protector with **SSAP™** Technology 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 Resettable Surge Protector with **SSAP™** Technology
- 2.2 The protector consists of the following components :
  - Three Electrode Arrester with fail safe (**ARR**)
  - Super Active Protection (**SAP**)
  - Hybrid Clamping Circuit (**HCC**)
- 2.3 Control unit protected for 3 or 4 wires RS485 digital mode interface
- 2.4 Screw type terminals for easy installation
- 2.5 All modes protection

## 3. ELECTRICAL DATA

The completed protector meets the electrical specifications as follows :



## SDL-485-T3W SDL-485-T4W

Resettable Data Line Surge Protector for RS485



Model : **SDL-485-T3W**  
for 3 wires RS485 interface



Model : **SDL-485-T4W**  
for 4 wires RS485 interface

Description	Specification
3.1 Line voltage	5 Vdc
3.2 Max. line voltage	6 Vdc
3.3 Voltage protection level	< 40 Vdc at 1kV / $\mu$ Sec
3.4 Response time	< 0.1 nSec
3.5 Capacitance	< 50 pF at 1 kHz
3.6 Operating temperature	- 10 °C to 70 °C
3.7 DC resistance	< 6 $\Omega$ at 25 °C
3.8 Nominal current	< 80 mA at 25 °C
3.9 Trip time	< 10 mSec at 600 mA
3.10 Surge current	5 kA at 8/20 $\mu$ Sec
3.11 AC discharge current	5 A at 50 Hz , 1 Sec
3.12 Fail safe time	< 10 Sec at 5 A
3.13 Housing material	Metal ( UL94V-0 )
3.14 Connection type	Screw type terminal
3.15 Mounting	Individual or 35 mm. DIN rail mounting
3.16 Standard according	ANSI/IEEE C62.41.1-2002

TSDL-S12-131160



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