

ST5-S SERIES

5 Pin Telecommunications Protection Modules

With Semiconductor Technology

UL and cUL Listed



SEMICONDUCTOR TECHNOLOGY:

LEA Networks ST5-S Series 5 Pin modules utilize state of the art balanced or unbalanced semiconductor and self resetting PTC technologies to protect telecommunications network from over-voltages and overcurrents (sneak currents) caused by lightning, electrostatic discharges, AC induction and AC power cross faults. The ST5-S series 5 pin modules are designed to be always on guard to protect the telecommunication infrastructure. Optional balanced configurations are available for improved transmission performance.

INDUSTRY COMPATIBILITY:

The ST5 series 5 pin modules are compatible with LEA Networks connectivity systems or any other industry standard 5 pin protection blocks at central offices, remote terminals, building entrance terminals or customer premises installations.



FEATURES:

- Stops damaging transient without signal loss
- Reduces down time, network troubles and service calls
- Suitable for high speed networks, including VDSL2 and category 5 rates
- Meets Telcordia GR-974-CORE, NEC and CEC requirements
- 6 year warranty (contact factory for details)
- Very low capacitance and capacitive unbalance
- Suitable for high exposure area and installation with high ground impedance
- UL and cUL listed to UL497



SAFETY AND COMPLIANCE:

Each 5 pin module is equipped with an internal unbalanced fail-short mechanism to ensure personal safety and superior equipment protection in accordance with NFPA, UL and Telcordia requirements.

A WORLDWIDE LEADER IN PROTECTION AND CONNECTIVITY PRODUCTS:

LEA Networks is a worldwide leader in splitter, Power Line Communication (PLC), and surge protection systems for the telecommunication industry. Being ISO 9001:2008 registered, LEA Networks has vast experience and a reputation for customer satisfaction in its field and is totally focused and committed to provide unmatched value in products and services to telecommunications network operators globally.

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Overvoltage Performance	230 V Type	300 V Type	Notes
DC Voltage Limiting	215 - 265 V	265 - 350 V	Up to 2000V/second
Impulse Voltage Limiting	< 300 V < 400 V	< 350 V < 400 V	100V/microsecond 1000V/microsecond
Impulse Surge Life	>1500 >1500	>1500 >1500	10A, 10x1000microsecond 100A, 10x1000microsecond
Impulse Reset	Clears < 20msec	Clears < 20msec	Up to 260mA/52Vdc
Capacitance	<100pF SU Type <50pF SB Type	<100pf SU Type <50pF SB Type	Up to 1MHz, 0Vdc
Overcurrent Performance			
Hold Current	>180mA	>180mA	2 hours minimum
Activation Time	<210 seconds	<210 seconds	At 350mA
Line Resistance	< 4 Ohms	< 4 Ohms	Each line, 8.0 Ohms total loop
Line Imbalance	<0.5 Ohms	<0.5 Ohms	
Safety	Fast Acting unbalanced fail short mechanism		
Storage temperature	- 40 C to 85 C	- 40 C to 85 C	
Operating temperature	- 40 C to 85 C	- 40 C to 85 C	

All measured at 20 C

Ordering Information (Part Numbers)

