

2-Pair Plug-In Surge Protectors

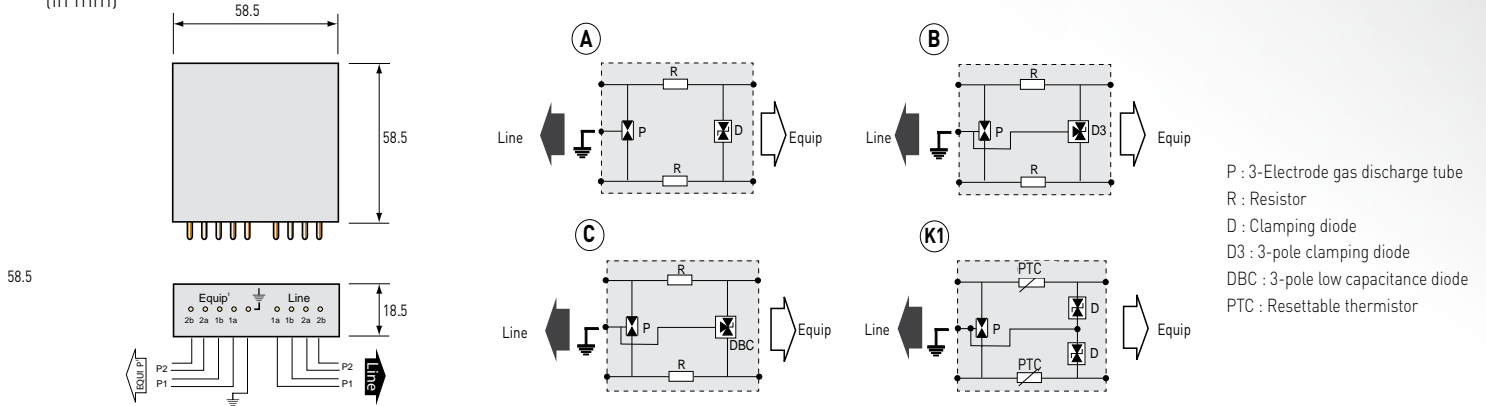
E280 Series



- **2-Pair Plug-In Module Design**
- **Multiple Configurations for All Applications**
- **Hybrid GDT and Diode Technology**
- **Optimized for Maintenance**
- **Line Current Up to 300mA**
- **Iimp : 2.5kA at 10/350µs**
- **In : 5kA at 8/20µs**
- **UL497B Listed**

Dimensions and Electrical Diagrams

(in mm)



Characteristics

CITEL Part number	E280-TM	E280-K20	E280-48D3M	E280-24D3M	E280-12D3M	E280-06D3M	E280-06DBC
Application	Telephone line ADSL, SDSL, SHDSL	Telephone line K20 std	ISDN-T0 Telex	Leased line 4-20mA	RS232 RS485	RS422	T2 - T1 10BaseT
Nominal Line Voltage (Un)	150V	150V	48V	24V	12V	6V	6V
Maximum Line Voltage (Uc)	170V	190V	53V	28V	15V	8V	8V
Maximum Line Current (IL)	300 A	150mA	300mA	300mA	300mA	300mA	300mA
Maximum Frequency	> 10MHz	> 3Mhz	> 3MHz	>3MHz	> 3MHz	> 3MHz	> 20MHz
Protection Level (Up) 8/20µs impulse - 5kA	220V	260V	70V	40V	30V	20V	25V
Nominal Discharge Current (In) 8/20µs impulse - 10 times	5kA	5kA	5kA	5kA	5kA	5kA	5kA
Maximum Discharge Current (Imax) 8/20µs impulse - 1 time	10kA	10kA	10kA	10kA	10kA	10kA	10kA
Lightning Current (Iimp) 10/350µs impulse - 2 times	2.5kA	2.5kA	2.5kA	2.5kA	2.5kA	2.5kA	2.5kA
Type of Diagram	A	K1	B	B	B	B	C
End of Life	Short-circuit	Cut-off and reset	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit
Mechanical Characteristics							
Mounting	On support type BN, FPSU, MMP						
Dimensions	See drawing						
Connection	Brass male pin						
Housing Material	Thermoplastic UL94-V0						
Standards Compliance							
NF EN 61643-21 (France) UL497B (USA)	Surge protectors for communication circuits - Test categories C2 and D1 Surge protectors for communication circuits						
Part Number							
E280	71186	71192	71184	71183	71182	71181	71171