



PD Devices TLP 50 series telecommunication line surge suppressors are designed to provide complete system protection for business PABX and single line applications. The Telecom Line Protector Series (TLP) products are Telecom Line Protectors designed to the recommendations of BS6651:1999 (Annex C) for location category C which requires 10kA (8/20 μ s) surge capacity. These products are primary rated devices for protecting systems connected to dial-up PSTN (or “external”) lines or where PABX extensions are routed between buildings.

Please see our Inline Data Surge Protector Datasheet for DIN rail mounted telecom protection.

Applications include:

- Private Automatic Branch Exchange systems (PABX)
- Voice lines on the public network (PTSN)
- Fax
- Modem/Router

Standard Features:

- Low “let through” voltages.
- Fast response times.
- High surge handling capabilities.
- Negligible effect on normal line operation.
- Many models offer lower line resistance and higher line current capability than most other competitors’ products.

If you cannot see the configuration or features that you need, please call our customer service department on +44 (0)1364 649248 to discuss your requirements.

PD Devices Ltd. Old Station Yard, South
Brent, Devon. TQ10 9AL.
T: +44 (0)1364 649248
F: +44 (0)1364 649250
E: contact@pddevices.co.uk

Specifications:

Module Type		10 Pair PABX	10 Pair PABX	Single Pair PABX
Connector Type		LSA Plus™ Plug-In	LSA Plus™ Plug-In	LSA Plus™ Plug-In
Circuits		10 x 2 wire	10 x 2 wire	1 x 2 wire
Max. Working Voltage		190V	190V	190V
Current Rating (Signal)		300mA	300mA	300mA
Rated Impulse Discharge, 8/20µs, per line (2 wires)		10kA	10kA	10kA
Minimum DC Breakover		220V	220V	220V
Impulse Voltage Performance 10/700µs (125A Peak)		247V All Modes	<265V All Modes	247V All Modes
Typical Loop Resistance (25°C)		50Ω	9.4Ω	50Ω
Response Time		<10ns	<10ns	<10ns
Maximum Line Capacitance		130pF	130pF	130pF
System Exposure Level ⁽¹⁾		High	High	High
Operating Temperature		-25° to +70°C	-25° to +70°C	-25° to +70°C
Dimensions:	L	130	130	9
	W	47	47	50
	H	20	20	22
Order Code		TLP10	TLP10LR	TLP1PA

Module Type		Single Pair PABX	Single Pair Hardwired	Single Pair Hardwired
Connector Type		LSA Plus™ Plug-In	Flying Lead	Flying Lead
Circuits		1 x 2 wire	1 x 2 wire	1 x 2 wire
Max. Working Voltage		190V	190V	190V
Current Rating (Signal)		300mA	300mA	300mA
Rated Impulse Discharge, 8/20µs, per line (2 wires)		10kA	10kA	10kA
Minimum DC Breakover		220V	220V	220V
Impulse Voltage Performance 10/700µs (125A Peak)		<265V All Modes	247V All Modes	<265V All Modes
Typical Loop Resistance (25°C)		9.4Ω	50Ω	9.4Ω
Response Time		<10ns	<10ns	<10ns
Maximum Line Capacitance		130pF	130pF	130pF
System Exposure Level ⁽¹⁾		High	High	High
Operating Temperature		-25° to +70°C	-25° to +70°C	-25° to +70°C
Dimensions:	L	9	12	12
	W	50	40	40
	H	22	16	16
Order Code		TLP1PALR	TLP1A	TLP1ALR

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