

DTK-LVLP Series

Data, Signaling and Loop Circuit Surge Protection



DTK-4LVLPX

DTK-2LVLPV

Product Features

- Protect 1, 2, 4 or 8 pairs to match your specific configuration needs
- Series connection, parallel function adds no resistance to loop circuits
- Five voltage levels available to protect all types of data/signaling applications
- "SCP" models provide automatic resetting fuse and sneak current protection

Applications

- 4-20mA Current Loops
- Alarm Panel NAC, SLC, PIV and IDC Loops
- Burglar Alarm Panels
- Speakers and Phones

Accessories

- DIN Rail Kit (DTK-DRK)

Selection Guide

Example: DTK-2LVLPSCPLV

DTK-2LVLPSCPLV

2 Pairs 24 Volts

DITEK's DTK-LVLP Series of data, signaling and loop circuit surge protectors provide strong protection in a compact hard-wired package. Models are available to protect multiple low voltage pairs, and are suitable for both AC and DC circuits. LVLAWG models can handle #14-#10 AWG wiring connections.

Technical Specifications

Protection Modes:	Line-Ground (All)
Surge Current Rating:	2,000 Amps per pair (5V – 48V) 9,000 Amps per pair (75V – 130V)
Max. Continuous Current:	5 Amps, 0.15 Amps (SCP)

Mechanical Characteristics

Connection Method:	Screw Terminals : #22 - #16 AWG (LVLP), #14 - #10 AWG (LVLAWG)
Housing:	ABS
Operating Temperature:	-40°F - 158°F (-40°C - 70°C)
Maximum Humidity:	95% non-condensing
Dimensions (1LVL – 4LVL):	3.0L x 1.6"W x 1.6"H (76mm x 41mm x 41mm)
Dimensions (8LVL):	4.8"L x 2.3"W x 1.5 "H (122mm x 58mm x 35mm)
Weight:	2.4 oz (68g)

Quality, Standards & Approval

Agency Approvals:	UL497A, UL497B
Warranty:	Ten Year Limited Warranty

VOLTAGE LEVEL	D	X	LV	OPX	RUV
Pairs Available:	2, 4	1, 2, 3, 4	1, 2, 4, 8	2, 4	2, 4
Service Voltage:	5V	12V	24V	48V	130V
Sneak Current Protection Available? (SCP):	Yes	Yes	Yes	No	Yes
MCOV:	8VDC	18VDC	38VDC	66VDC	175VDC
Clamping Voltage:	12V	22V	47V	82V	204V

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