



## DTK-DRF Series Low Voltage DIN Rail Surge Protectors

DITEK's DTK-DRF Series of low voltage DIN Rail surge protectors provide robust protection in a compact package. This series offers high-performance surge protection for critical low voltage applications within industrial and commercial environments. Removable protection module for easy serviceability.



DTK-DR5F

### Product Features

- Protects (2) circuit pairs
- Field-replaceable protection module
- Hybrid design utilizing SAD and GDT technologies
- Opens circuit when compromised
- Connection to ground via grounded DIN rail or the included grounding lug
- 35mm DIN Rail mounting configuration

### Applications

- Industrial Control Panels
- UL508 Panel Manufacturing
- 4-20mA Current Loops
- Low Voltage Power Circuits
- RS485 Data Circuits
- 70V Audio Circuits

### Accessories

- Replacement Module – Add “M” suffix

### Technical Specifications

DTK-DR	5F	12F	24F	36F	48F	75F	130F
<b>Service Voltage:</b>	5V	12V	24V	36V	48V	75V	130V
<b>MCOV:</b>	6V	18V	33V	48V	64V	90V	140V
<b>Clamping Voltage:</b>	8V	21.6V	39V	57V	76V	108V	155V
<b>Protection Modes:</b>	Differential Mode (L-L) Common Mode (L-G)						
<b>Surge Current Rating:</b>	20,000A						
<b>Maximum Continuous Current:</b>	1 Amp						
<b>Failure Mode:</b>	Open Circuit						

### Mechanical Specifications

<b>Connection Method:</b>	Hardwired terminals: 30 – 12 AWG
<b>Mounting Method:</b>	35mm DIN Rail
<b>Housing:</b>	ABS Plastic, UL94-V0, IP20
<b>Operating Temperature:</b>	-40°F - 158°F (-40°C - 70°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	4.01" L x 0.48" W x 2.93" H (101.9 mm x 12.2 mm x 74.3 mm)
<b>Weight:</b>	2.3 oz (65 g)

### Quality Standards & Approvals

<b>Certifications:</b>	UL497B
<b>Warranty:</b>	10 Year Limited Warranty

