



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
- Suitable for use on both AC and DC circuits

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

Mechanical Specifications

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

Quality Standards & Approvals

| | |
|------------------------|--------------------------|
| Certifications: | UL497B |
| Warranty: | 10 Year Limited Warranty |

