DTK-DR Series

75kA DIN Rail Surge Protective Device

DITEK's DTK-DR Series DIN Rail Surge Protectors are designed to protect against the harmful effects of transient surges caused by direct or indirect lightning, power company grid switching and inductive load switching. These high-performance SPD's provide point-of-use surge protection for critical operations within commercial and industrial environments.



PRODUCT FEATURES

- 75,000 amps per phase surge current rating ensures long service life
- Compact, modular design for easy integration within machine control panels
- Quick replacement of protection module when needed
- 35mm DIN Rail mounting configuration
- Remote end of life indicator for surge protection status: NO/NC Form C dry contacts
- Visual end of life indicator for surge protection status: RED = end of life
- Modules with "N" suffix include N-G protection module

APPLICATIONS

- Industrial Control Panels
- UL 508 Control Panels

ACCESSORIES

- Replacement module P/Ns located in chart on page 2

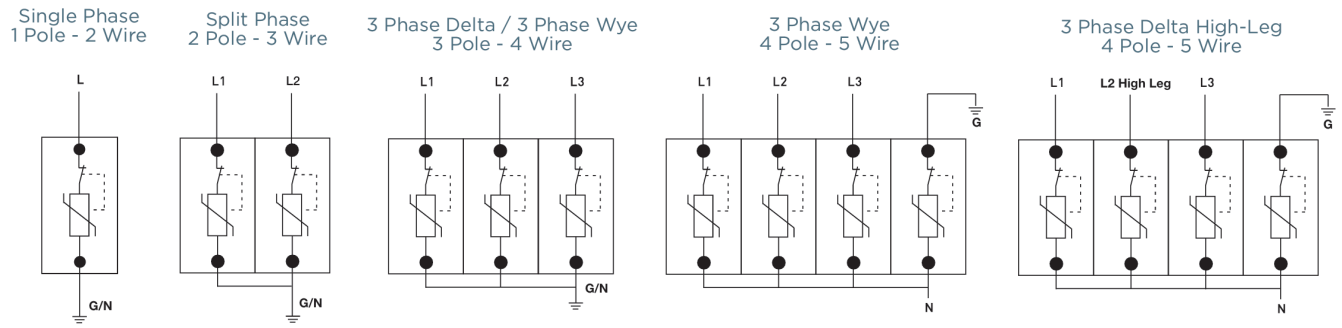
TECHNICAL SPECIFICATIONS	
Voltage Configurations:	See chart on page 2
Surge Current Rating:	75,000A per phase
Short Circuit Current Rating (SCCR):	200,000A
Operating Frequency:	50/60Hz
Status Indication:	Green = Normal Red = Replace Form C dry contacts
Mounting:	35mm DIN rail

Every precaution has been taken to ensure that this is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

DTK-DR Series

75kA DIN Rail Surge Protective Device

Part Number	Replacement Module	Service Voltage	MCOV	I_n Rating	Voltage Protection Rating (VPR)			
					L-L	L-N	L-G	N-G
1-Pole								
DTK-DR120P1	DTK-DR175M	120Vac Single Φ	175V	20kA	N/A	600V	N/A	N/A
DTK-DR240P1	DTK-DR275M	240Vac Single Φ	275V	20kA	N/A	900V	N/A	N/A
DTK-DR277P1	DTK-DR320M	277Vac Single Φ	320V	20kA	N/A	1000V	N/A	N/A
DTK-DR347P1	DTK-DR420M	347Vac Single Φ	420V	10kA	N/A	1500V	N/A	N/A
2-Pole								
DTK-DR240P2	DTK-DR175M	120/240Vac Split Φ	175V/350V	20kA	1200V	600V	N/A	N/A
DTK-DR480P2	DTK-DR275M	240/480Vac Split Φ	275V/550V	20kA	1800V	900V	N/A	N/A
3-Pole								
DTK-DR240P3	DTK-DR275M	240Vac Three Φ Delta	275V/550V	20kA	1800V	N/A	900V	N/A
DTK-DR480P3	DTK-DR550M	480VacThree Φ Delta	550V/1100V	10kA	3000V	N/A	1500V	N/A
DTK-DR208P4	DTK-DR175M	120/208Vac Three Φ Wye	175V/350V	20kA	1200V	600V	N/A	N/A
DTK-DR480P4	DTK-DR320M	277/480Vac Three Φ Wye	320V/640V	20kA	2000V	1000V	N/A	N/A
DTK-DR600P4	DTK-DR420M	347/600Vac Three Φ Wye	420V/840V	10kA	2500V	1500V	N/A	N/A
DTK-DR690P4	DTK-DR550M	400/690Vac Three Φ Wye	550V/1100V	10kA	3000V	1500V	N/A	N/A
4-Pole								
DTK-DR208P4N	DTK-DR175M	120/208Vac Three Φ Wye	175V/350V	20kA	1200V	600V	1200V	600V
DTK-DR240P4N	DTK-DR175M DTK-DR275M	120/240Vac Three Φ Delta High Leg	275V/450V	10kA	1200V 1500V	600V 800V	1200V 1500V	600V
DTK-DR480P4N	DTK-DR175M DTK-DR320M	277/480Vac Three Φ Wye	320V/640V	20kA	2000V	1000V	1500V	600V
DTK-DR480P4HN	DTK-DR175M DTK-DR275M DTK-DR550M	240/480Vac Three Φ Delta High Leg	275V/825V	10kA	1500V 2000V	800V 1500V	1500V 2000V	600V
DTK-DR600P4N	DTK-DR320M DTK-DR420M	347/600Vac Three Φ Wye	320V/840V	10kA	2500V	1500V	2000V	800V
DTK-DR690P4N	DTK-DR320M DTK-DR550M	400/690Vac Three Φ Wye	550V/1100V	10kA	3000V	1500V	2500V	1000V

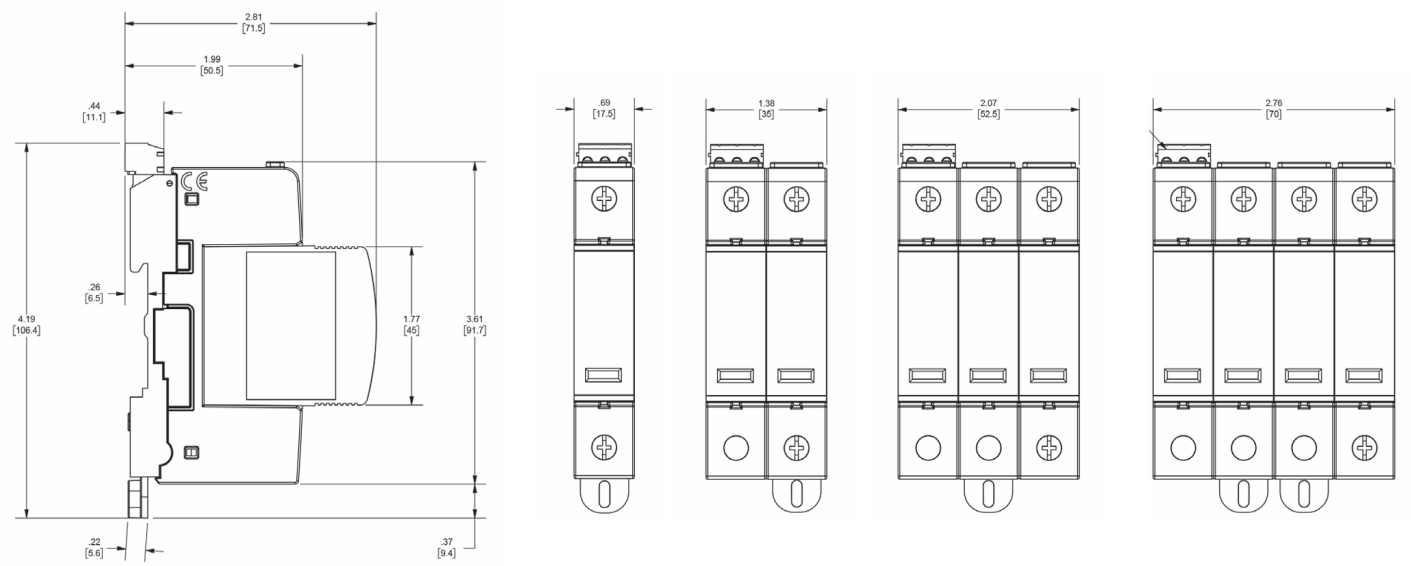


DITEK Surge Protection, Largo, FL 33771 • Sales: 800-753-2345
Diteksurgeprotection.com • SPS-100094-001 Rev 7 05/26

Every precaution has been taken to ensure that this is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

DTK-DR Series

75kA DIN Rail Surge Protective Device



MECHANICAL SPECIFICATIONS	
Connection Method:	Hardwired terminals 14-4 AWG Dry contact terminal block 30-16 AWG
Housing:	IP20, UL94 V0
Operating Temperature:	-40°F – 185°F (-35°C – 60°C)
Maximum Humidity:	95% non-condensing
Dimensions:	4.19 in. L x 0.69 in. W x 2.81 in. H – 1-Pole (106 mm x 18 mm x 71 mm)
Weight:	5.6 oz (159g) 1-Pole 9.6 oz (272g) 2-Pole 13.6 oz (386g) 3-Pole 1.1 lbs. (0.5kg) 4-Pole

SAFETY STANDARDS AND CERTIFICATIONS	
Certifications:	UL 1449 5th Edition Type 1CA CSA C22.2 No. 269.4-17, 2017-03 Type 4-1 SPD
Standards Compliance:	RoHS
Warranty:	3 Year Limited Warranty

DITEK Surge Protection, Largo, FL 33771 • Sales: 800-753-2345
Diteksurgeprotection.com • SPS-100094-001 Rev 7 05/26

Every precaution has been taken to ensure that this is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.