

SURGE DIVERTER Cat.C, D DFL-Series

FLI-S

Power Line Surge Suppression for Lightning Protection

DFL series surge protector is a specially designed power line lightning or surge over voltage suppressor used for 220Vac 1Ph/380Vac 3Ph power supplied electronic equipment. It employed advenced lightning protection techique of world and high quality device for lightning protection and assembled with sophisticated process. As the power line is attacked by lightning, the induced huge pulse current and high surge overvoltage at the power line can instantaneously release into earth, therefore the modern electronic equipment has effectively protected from lightning.

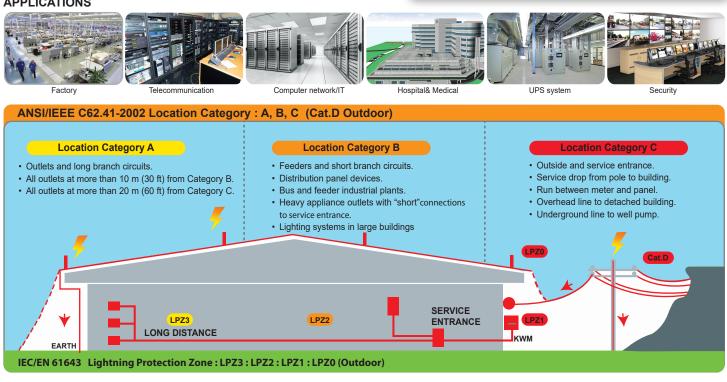
Features

- AC surge protector for single and three phase system
- Surge capacity Imax 20, 40, 80, 100kVA(8/20us)
- Fast response time ≤ 25 ns
- Easy installation for MDB LP by Parallel installation
- Lightning Protection Zone : LPZ0, LPZ1, LPZ2, LPZ3
- · All TVSS protection mode: Line-line, Line-Neutral, Line-Earth, Neutral-Earth
- LED display indicator for operation and replace status
- Lightning & Surge counter operation Segment LED
- · Remote monitoring alarm contact
- Repeat useable after frequent lightning
- Maintenance free of remote unmanned operate station
- · Long life operation up to 20 years
- Accordance with ANSI / IEEE C62.41-2002, C62.42-2000, IEC/EN61643-11, IEC/EN61643-22
- ISO 9001:2015, QMS Manufacture Certificate

APPLICATIONS

CHUPHOTIC

DFL a-D





DFL1 / DFL2-D / DFL3-D series, DFL1-S / DFL2-S series







μίνπα ησυσινίνων DFL-Series Power Line Surge Suppression SPECIFICATIONS				SPD 1 Phase DFL3-D DFL2-D DFL1-D L1 N + DFL1-D L1 N + DFL3-D DFL2-D DFL1-D DFL1-D DFL3-D D		SPD 3 Phase			
SURGE DIVERTER SURGE PROTECTION		DFL3-D 15kA	DFL3-D 25kA	DFL2-D 40kA	DFL1-D 80kA	DFL2-S 40kA	DFL1-S 80kA	DFL1-S 100kA	
Location Cat. / Protection Zone		Cat.A,B / LPZ3,2	Cat.A,B / LPZ3,2	Cat.B,C / LPZ2,1	Cat.C,D / LPZ1,0	Cat.B,C / LPZ2,1	Cat.C,D / LPZ1,0	Cat.C,D / LPZ1,0	
Electrical System		1 phase(2wire+PE)				3 phase(3wire+Neutral+PE)			
Normal Voltage		220/230/240 Vac 50/60Hz					380/400/415 Vac 50/60Hz		
Frequency Range		45 - 65 HZ							
Mode of Protection	ALL MODE	Phase-Ground(L-G), Neutral-Ground(N-G), Phase-Neutral(L-N)				Phase-Phase(L-L), Phase-Ground(L-G), Neutral-Ground(N-G),Phase-Neutral(L-N)			
Application Range	OPERATED - MCOV	180 - 260 Vac				280 - 480 Vac			
Let Through Voltage	Surge 500A / 3KA	600V (UL1449 500A) / 1200V				(C62.41 Cat.C1 3KA)			
Surge Energy Dissipation	MOV / Varistor	1560 joules 312		3120 joules	4160 joules	3x3120 joules	3x4160 joules	3x5200 joules	
Surge Capability Translent	lmax : 8/20 µsec 1 shoot.	30 kA	50 kA	80 kA	160 kA	80 kA	160 kA	200 kA	
	In : 8/20 μsec 10 shoot.	15 kA	25 kA	40 kA	80 kA	40 kA	80 kA	100 kA	
Transient Response Time		Less than 25 ns							
Design Regulation	TVSS standard	ANSI/IEEE C62.41-2002, ANSI/IEEE C62.42-2000, IEC/EC61643-11, IEC/EN61643-22							
Indicator	Surge diverter's LED	Green LED light: TVSS normal, Red and Green LED Blight: TVSS protected and warning alarm state, it should be soon replaced, Red LED light: TVSS protected warning alarm state and should be replaced at one, Red and Green Off: Fault Power supply or Power breaker off							
	Surge and Lightning's counter segment	No				Surge Lightning Counter by 7 Segment, LED			
	Enclosure(option)	Power line indicator: Green LED							
Remote Alarm	Dry contact	Yes. NC/NO contact 2A/250Vac							
Safety Isolation	Fuse OR Circuit Breake	Available only in surge dive							
Operation Condition	Ambient temperature	32-63A	40-100A	63-125A	100-250A -40°C to 60°C	63-125A	100-250A	100-250A	
	Relative Humidity	0-95 %(non-condensing)							
Dimension (WxHxD mm.)	Surge diverter	45x250x110 153x290x75			160x250x85	238x349x92	280x389x120		
	Enclosure(option)			50x150			300x450x150		
	Surge diverter	1.2		1.8	3	4	7	8	
Weight (Approx. in kg.)	Surge diverter with Enclosure(Option)	6.		6.8	8.0	10.4	13.0	14.0	

CHUPHOTIC CO.,LTD. 949 Moo9, Sumrong-Nue, Muang Samutprakarn, Samutprakarn 10270 Tel. : 02 186 3010 (Auto) Fax : 02 186 3018-19 www.chuphotic.com E-mail: ups@chuphotic.com

Authorized Dealer :