

AC Surge Protection Device / Type-2

I_{max}:40kA



IEC Electrical

Nominal AC Voltage (50/60Hz) Maximum	U _R /U	230V			
Continuous Operating Voltage (AC) Nominal	U _c	420V			
Discharge Current (8/20 μs)	I _n	20kA			
Maximum Discharge Current (8/20 μs)	I _{max}	40kA			
Voltage Protection Level	U _p	2000V			
Response Time	t _A	< 25ns			
Back-Up Fuse (max)		125A gL / gG			
Short-Circuit Current Rating (AC)	I _{SCCR}	25kA / 50kA			
TOV Withstand 5s	U _T	335V			
	U _T	440V			
TOV 120min	Mode	Safe Fail			
Number of Ports		1			

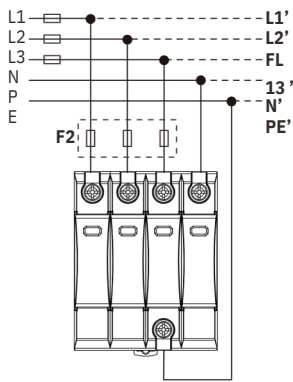
UL Electrical

Maximum Continuous Operating Voltage (AC)	MCOV	420V		
Voltage Protection Rating Nominal Discharge	VPR I	1400V		
Current (8/20 μs) Short-Circuit Current	I _n	20kA		
Rating (AC)	SCCR	150kA		

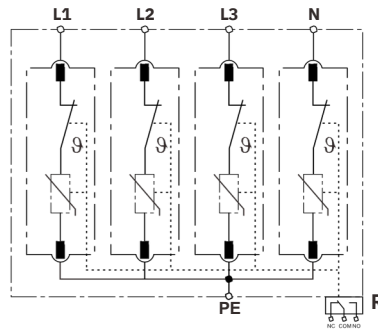
Mechanical & Environmental

Operating Temperature Range Permissible	T _a	-40oF to +158oF [-40oC to +70oC]
Operating Humidity	RH	5%...95%
Atmospheric pressure and altitude		80k Pa ... 106k Pa / -500m ... 2000m
Terminal Screw Torque	M _{max}	39.9 lbf-in [2.0~2.5 N.m]
Conductor Cross Section (max)		2 AWG (Solid, Stranded) / 4 AWG (Flexible) 35mm ² (Solid, Stranded) / 25mm ² (Flexible)
Mounting		35mm DIN Rail, EN 60715
Degree of Protection Housing		IP20(built-in)
Material		Thermoplastic: Extinguishing Degree UL 94 V-0
Thermal Protection		Yes
Operating State / Fault Indication		Green: ok / Red: failure
Remote Contacts (RC)		Optional
RC Switching Capacity		AC:250V / 0.5A; DC:250V / 0.1A; 125V / 0.2A; 75V / 0.5A
RC Conductor Cross Section (max)		16AWG (Solid) / 1.5mm ² (Solid)

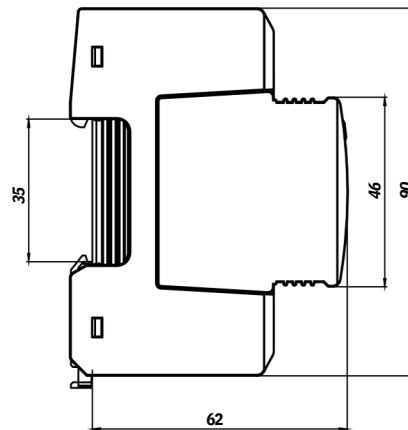
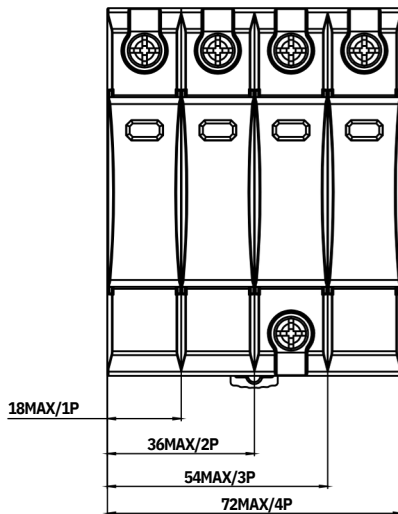
Wiring Method



Schematic Diagram



Dimensions(mm)



Installation