

# AC SURGE PROTECTOR SURGITRON®

## MODEL 1261-21-xx SERIES

for 230 Vac 2-Wire Systems

# JOSLYN

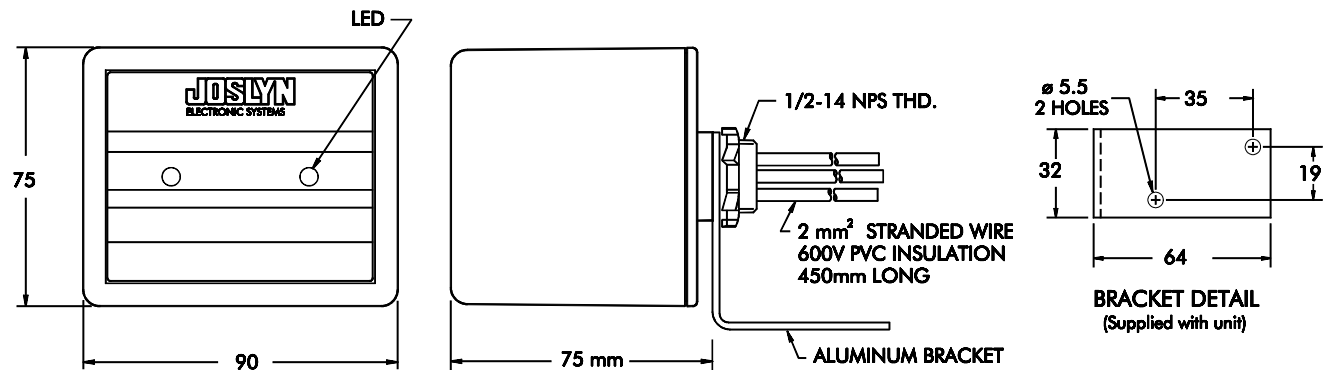
## TECHNICAL DATA

- SPD Category and Type - Service entrance, distribution panel or equipment, permanently connected.
- Technology - MOVs with individual fuses and thermal disconnects. Faceplate LEDs indicate proper functioning of all MOVs.
- There is a 1261 model for each power system configuration (neutral grounding practice) as defined in EN60950:
  - TNC - Neutral and PE (protected earth conductor) are combined throughout the system, while TNCS splits the combined PEN into a separate neutral and PE at service entry (U.S. practice is a variation of this). The neutral is earthed at the transformer for both types. The model 1261-21-**TNC** is suited for both TNC and TNCS systems.
  - TNS - Neutral is earthed at the transformer but is not bonded to earth or the PE elsewhere. PE is carried to the site from the transformer and bonded to site earth. Model 1261-21-**TNS** is intended for use on this system but it also can be used on TNCS as well as on U.S. 120/240V services (without the neutral).
  - TT - Neutral is earthed at the transformer. The PE originates at site but is not bonded to the neutral. There is no inter-connection between PE and transformer earth. The 1261-21-**TT** is for use on this system but it also may be employed upon TNS, TNCS and U.S. services (w/o neutral) as well.
  - IT - The transformer is unearthed (or earthed through high impedance). The PE originates at site but is not bonded to a service conductor; no conductor in this system is designated as 'neutral'. The 1261-21-**IT** is suited for this application but it also may be used on TT, TNS, U.S. (w/o neutral), and TNCS power systems.

- Nominal System Voltage 220 - 240 Vac
- Maximum Continuous Operating Voltage 276 Vac
- Leakage, L-G at 240 Vac <500  $\mu$ A
- Maximum Surge Current, Single Pulse, 8/20  $\mu$ s, per mode 40 kA
- Surge Life, L-(N+G), 230 Vac applied, 3 kA, 8/20  $\mu$ s 22,000 times
- 10 kA, 8/20  $\mu$ s 800 times
- Component Response Time <1 ns
- Operating Temperature -40 to +80 C
- Warranty 3 years

		-TNC	-TNS	-TT	-IT
• Model numbering: 1261-21-xx		L-N, N-PE	L-N, L-PE, N-PE	L-N, L-PE, N-PE	L-L, L-PE
• Protection Modes		300 Vac	300 Vac	300 Vac	300 Vac
• Varistor MCOV	L-N, L-L	300 Vac	300 Vac	390 Vac	480 Vac
	L-PE, N-PE	470 V	470 V	470/615 V	470/755 V
• Nominal Varistor Voltage at 1 mAdc		2080 J	3120 J	3820 J	3900 J
• Surge Energy Capability, total		730 V	730 V	730/925 V	730/1120 V
• Suppression Voltage	200 A, 100 kHz	770 V	770 V	770/960 V	770/1170 V
• w/eshapes per	500 A, 100 kHz	740 V	740 V	740/920 V	740/1070 V
• ANSI/IEEE C62.41	500 A, 8/20 $\mu$ s	830 V	830 V	843/1040 V	830/1310 V
	3 kA, 8/20 $\mu$ s	1055 V	1055 V	1055/1280 V	1055/1620 V
	10 kA, 8/20 $\mu$ s	800 V	800 V	800/1000 V	800/1200 V
• UL 1449 Suppression Voltage Rating					

- Safety, Approvals: CE Compliant with Directive 73/23/EEC, EN 60950
- UL and cUL Listed per UL 1449 and Canadian codes, File E74944
- Complies with 25 amp 'Loss of Neutral' test of C62.34



TDS126121TN(A)