

Features

- IEC/EN 61643-11 compliant Class I + Class II / T1+T2 SPD
- High reliability protected MOV with Thermal Disconnector
- Large surge energy capability up to 100 kA per mode
- Pluggable module for easy replacement
- High short-circuit current rating up to 50 kA_{rms}
- Impulse current capacity up to 25 kA 10/350 µs

1260 Series AC Hybrid Surge Protective Device

General Information

The Bourns® Model 1260 Series is an AC Hybrid Surge Protective Device (SPD) designed to protect high-risk electrical service entrance and branch panels. Based on its advanced hybrid architecture (MOV + GDT technology), this series can provide excellent reliability and safety protection due to no leakage or follow current.

This SPD is intended to be installed at the front end of the installation, in the main switchboard, close to sensitive terminals or in installations without LPS (lightning rods).

Additional Information

Click these links for more information:









CT TECHI

CHNICAL INVENTORY SAMPLES

CONTACT

Electrical Characteristics

		Model No.								
Characteristic			1260-xS-120	1260-xS-127	1260-xS-230	1260-xS-277	1260-xS-400	1260-xS-480	1260-xS-690	
AC Network			120 / 240 V 120 / 208 V	120 / 208 V 127 / 220 V	220 / 380 V 230 / 400 V	240 / 415 V 277 / 480 V	277 / 480 V 347 / 600 v	347 / 600 V 480 V (Delta)	690 V (Delta)	
Compliance			IEC/EN 61643-11							
Category IEC/EN			Class I + Class II / T1 + T2							
Product Technologies			High energy MOV Technology; MG Technology: MOV + GDT Thermal Disconnector							
Connection Mode			1-Pole, L-N or L-G or N-PE							
AC System			IT, TT, TN, Single, Split Phase, Delta, Wye							
Max. Operating Voltage (U _c)			150 V	180 V	275 V	350 V	440 V	600 V	750 V	
Leakage	MOV Technology		< 0.1 mA							
Current at U _c	MG Technology		None							
Follow Current			None							
	Nominal Discharge Current 8/20 μs (I _n)		25 kA							
	Max. Discharge Current (I _{max}) 1 Impulse 8/20 μs		100 kA							
IEC/EN 61643-11	Impulse Discharge Current (I _{imp}) 10/350 µs		25 kA				22 kA	15 kA	12.5 kA	
	Protection Level (U _p)	MOV Technology	≤ 0.8 kV	≤ 1.0 kV	≤ 1.2 kV	≤ 1.5 kV	≤ 2.0 kV	≤ 2.5 kV	≤ 2.8 kV	
		MG Technology	≤ 0.7 kV	≤ 0.8 kV	≤ 1.0 kV	≤ 1.4 kV	≤ 1.8 kV	≤ 2.2 kV	≤ 2.5 kV	
	Short–Circuit Current Rating (I _{SC})		50 kArms							

Applications

- Electrical service entrance
- Branch panels
- All power circuits
- Heavy industrial
- EV charging stations

1260 Series AC Hybrid Surge Protective Device

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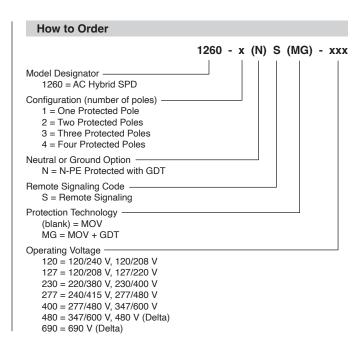
General Characteristics

Characteristic	Model No.							
Characteristic	1260-xS-120	1260-xS-127	1260-xS-230	1260-xS-277	1260-xS-400	1260-xS-480	1260-xS-690	
Thermal Disconnector	UL 60691							
Overcurrent Protection	Time Delay - 315 A Max.							
Connection	By Screw Terminal: Single-strand #2 AWG or 35 mm ² ; multi-strand #4 AWG or 25 mm ²							
Dimensions		See Product Dimensions						
Mounting	DIN-Rail, 35 mm Symmetrical							
Remote Signal Indicator	250 VAC Max., 0.5 A							
Enclosure Material	Thermoplastic UL 94V0							

Environmental Characteristics

Characteristic	Model No.								
Characteristic	1260-xS-120	1260-xS-127	1260-xS-230	1260-xS-277	1260-xS-400	1260-xS-480	1260-xS-690		
Operating Temperature	-40 °C to +85 °C								
Operating Altitude	≤ 2000 m								
Relative Humidity	5 to 95 % Non-condensing								
Environmental Rating	IP 20								

Standards Compliance

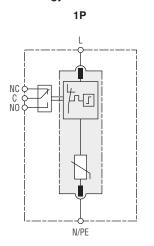


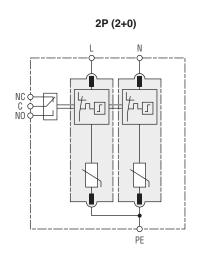
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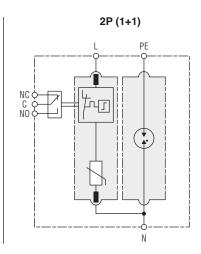
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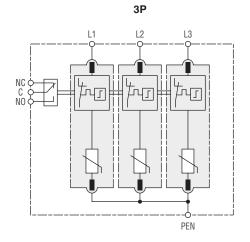
Product Schematics

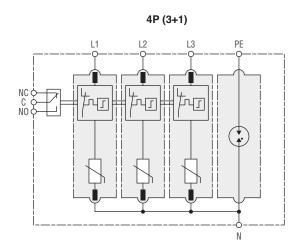
MOV Technology

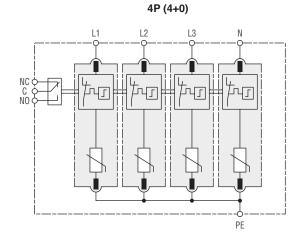












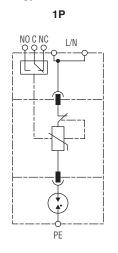
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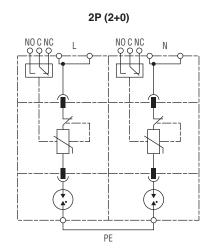
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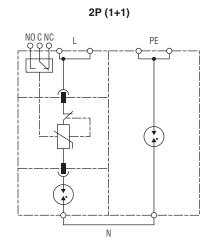
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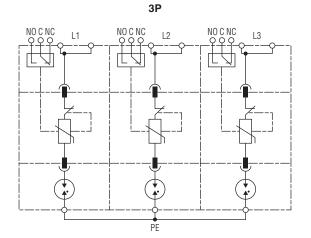
Product Schematics (continued)

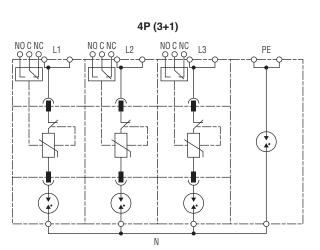
MG Technology

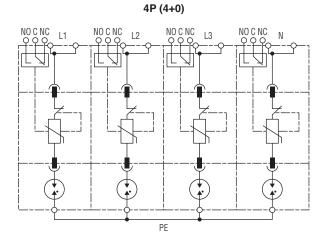












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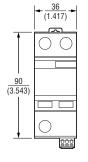
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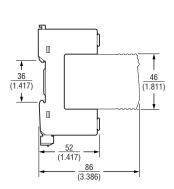
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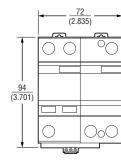
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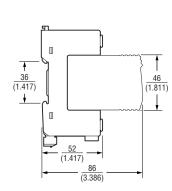
Product Dimensions



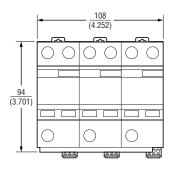


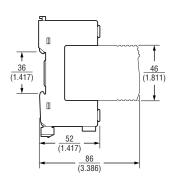
2P



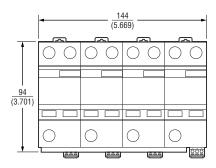


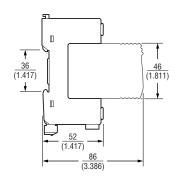
3P





4P





DIMENSIONS: $\frac{MM}{(INCHES)}$

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