

SPD-10S-277S Series 10kA Miniaturized High-Performance Surge Protection Device



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INTRODUCTION

As a response to the positive feedback for previously released SPD-10-320S, SPD-20HP-277S/480S, and SPD-20 surge protectors, MEAN WELL is releasing the new SPD-10S-277S that has a small size, low cost, safety approvals, and can sustain a maximum discharge current of 10kA. The key features for SPD-10S-277S are low Measured Limiting Voltage (MLV) and Voltage Protection Level, UP. The SPD-10S-277S can drastically decrease the high surge impact of lightning to luminaires, which expands the luminaires life cycle. It is suitable to pair with outdoor LED drivers.

The table below is to help users quickly compare the product features of old and new generation products that are both rated for 10kA:

	SPD-10S-277S (2019.07 release)	SPD-10-320S (2018.08 release)
Connection method	Series connection	
Maximum discharge current (8/20 μ s)	10kA	
AC voltage range	150~510Vac	120~320Vac
Measured Limiting Voltage (MLV)	L-N: 1260V L-G:1260V N-G:1300V	L-N:1200V L-G:1500V N-G:1500
SPD LED indicator	Built-in LED	
Operating temp.	-40~+85°C	-40~+70°C
Ingress Protection rating	IP66	IP67
Safety	UL1449, EN61643-11, CE	CE
Size (L x W x H)	46.36 x 56.76 x 26mm (45% smaller)	85 x 37 x 40mm

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for more information.**