

SPD series Surge Protection Device

SPD-10-320S

SPD-10S-277S

10kA Surge Protection Device



85x 37x 40 mm
(LxWxH)



56.76x 46.36x 26 mm
(LxWxH)

- UL1449, Type 4, BS EN/IEC61643-11(SPD-10S)
- Line to Ground & Line to Line protected
- Series connection type
- LED status indicators
- IP67 (SPD-10-320S); IP66 (SPD-10S)
- Suitable for surge protection of LED drivers
- Thermally protected



Model No.	SPD-10-320S	SPD-10S-277S
Operating voltage	120~320VAC, 50/60Hz	120~277VAC, 50/60Hz
MCOV (Max. continuous operating voltage)	320VAC	277VAC
Continuous Current (max.)	5A	3.5A
UP (Voltage protection level)	L-N:1200V L-G/PE: 1500V N-G/PE: 1500V	L-N: 1260V L-G: 1260V N-G: 1300V
IN (Nominal discharge current)	5kA,8/20 μ s	
Max. surge current (8/20 μ s)	10kA,8/20 μ s	
Operating temperature	-40~+70°C	-40~+85°C
Safety standard	BS EN61643-11: 2012	UL1449 Type 4, BS EN/IEC 61643-11

SPD-20

SPD-20HP

20kA Surge Protection Device



90x 70x 50 mm
(LxWxH)



71.6x 67.7x 32 mm
(LxWxH)

- UL1449, Type 2 (SPD-20), Type 4 (SPD-20HP) component assemblies
- Line to Ground & Line to Line protected
- Parallel (3 wires) connection style (SPD-20)
- Series connection style (SPD-20HP)
- LED status indicators
- IP67 (SPD-20); IP66 (SPD-20HP)
- Suitable for surge protection of LED drivers
- Thermally protected (SPD-20HP)



Model No.	SPD-20-240P	SPD-20-277P	SPD-20HP-277S	SPD-20HP-480S
Operating voltage	240VAC, 50/60Hz	277VAC, 50/60Hz	120~277VAC, 50/60Hz	347~480VAC, 50/60Hz
MCOV (Max. continuous operating voltage)	300VAC	320VAC		510VAC
MLV (Measured limiting voltage)	---		L-N:810V, L-G:1560V, N-G: 1570V	L-N:1400V, L-G:1560V, N-G: 1570V
VPR (Voltage protection rating)	\leq 1500V (L-FG, N-FG, L-N)		---	
UP (Voltage protection level)	---		L-N:1000V, L-G/PE:3800V, N-G/PE: 2900V	---
IN (Nominal discharge current)	5kA		10kA	
Max. surge current (8/20 μ s)	20kA			
SCCR (Short circuit current rating)	5kA		---	
Response time	<25ns		---	
Operating temperature	-40~+70°C		-40~+75°C	
Safety standard	UL1449 3 rd Edition, TUV BS EN61643-11 approved	UL1449 3 rd Edition approved	UL1449 4 th Edition, BS EN61643-11 approved	UL1449 4 th Edition approved
Connection [L (Black)/N (White)/FG (Green)]	FEP 10AWG (15cm)		---	