

SPD G2



Areas of application

- Street and urban lighting
- Industry lighting
- Outdoor applications

Product family benefits

- Maximize the lifetime of outdoor lighting system
- Low maintenance costs thanks to easy replacement
- Suitable for luminaries of protection class I/II
- Long lifetime and high working temperature
- IP65 protection against vibration and water
- High surge protection of up to 20 kV / 20 kA for all lighting applications
- Failure indication LED
- Fully comply with IEC 61643-11

Product family features

- Mains voltage to 275 Vac
- Suitable for luminaries of protection class I/II
- Fully LED Driver protection by $U_p < 2\text{kV}$
- High surge protection of up to 20 kV / 20 kA
- Fully comply with IEC 61643-11
- Push-in terminal
- IP rating: IP65

Product family datasheet

Technical data

Electrical data

Product description	Suitable for power grids	Nominal discharge current (L-N)	Nominal discharge current (L/N-Ground)
SPD 10 275 G2	TN	5 kA	5 kA
SPD 10 275 P5 G2	TN	5 kA	5 kA
SPD 15 275 G2	TN	7.5 kA	5 kA
SPD 15 275 P5 G2	TN	7.5 kA	5 kA
SPD 20 275 G2	TN	10 kA	7.5 kA
SPD 20 275 P5 G2	TN	10 kA	7.5 kA

Product description	Max. voltage protection level (Up, L-N)	Max. voltage protection level (Up, L/N-Ground)	Power losses (% of total system power)
SPD 10 275 G2	1,5 kV	2 kV	0,1 %
SPD 10 275 P5 G2	1,5 kV	2 kV	0,1 %
SPD 15 275 G2	1,5 kV	2 kV	0,1 %
SPD 15 275 P5 G2	1,5 kV	2 kV	0,1 %
SPD 20 275 G2	1,5 kV	2 kV	0,1 %
SPD 20 275 P5 G2	1,5 kV	2 kV	0,1 %

Product description	Surge withstand capability	End of life indication (by LED light)	Over current protection
SPD 10 275 G2	1strike / 30strike / 50strike ¹⁾	YES	15 A
SPD 10 275 P5 G2	1strike / 30strike / 50strike ¹⁾	YES	15 A
SPD 15 275 G2	1strike / 20strike / 30strike / 50strike ²⁾	YES	15 A
SPD 15 275 P5 G2	1strike / 20strike / 30strike / 50strike ²⁾	YES	15 A
SPD 20 275 G2	1strike / 20strike / 30strike / 50strike ³⁾	YES	15 A
SPD 20 275 P5 G2	1strike / 20strike / 30strike / 50strike ³⁾	YES	15 A

Product description	Open-circuit voltage
SPD 10 275 G2	10 kV
SPD 10 275 P5 G2	10 kV
SPD 15 275 G2	15 kV
SPD 15 275 P5 G2	
SPD 20 275 G2	15 kV
SPD 20 275 P5 G2	15 kV

¹⁾ 1 @Max. at 10kA (L-N; L/N-PE) / 30@Min. at 5kA (L-N; L/N-PE) / 50@Min. at 3kA (L-N; L/N-PE)

²⁾ 1strike@Max. at 15kA (L-N), 10kA (L/N-PE) / 20strike@Min. at 7.5kA (L-N) / 30strike@Min. at 5kA (L/N-PE) / 50strike@Min. at 3kA (L-N; L/N-PE)

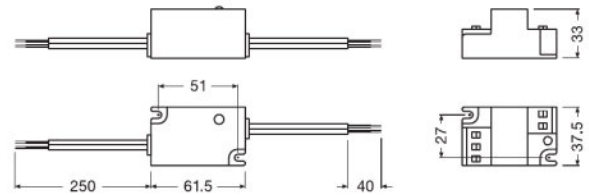
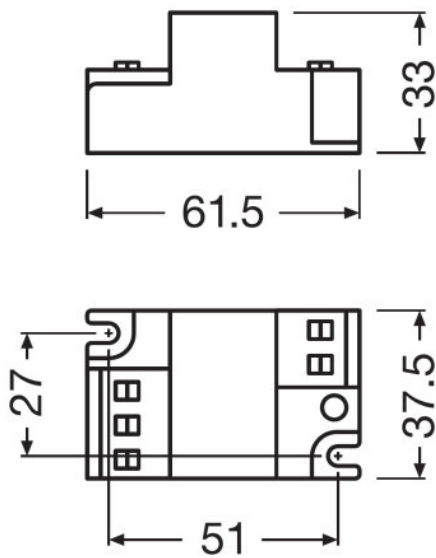
³⁾ 1strike@Max. at 20kA (L-N), 15kA (L/N-PE) / 20strike@Min. at 10kA (L-N) / 30strike@Min. at 7.5kA (L/N-PE) / 50strike@Min. at 5kA (L-N; L/N-PE)

Product family datasheet

Dimensions & weight

Product description	Product weight	Length	Width	Height
SPD 10 275 G2	66.00 g	61.5 mm	37.5 mm	33.0 mm
SPD 10 275 P5 G2	148.00 g	61.5 mm	37.5 mm	33.0 mm
SPD 15 275 G2	66.00 g	61.5 mm	37.5 mm	33.0 mm
SPD 15 275 P5 G2	148.00 g	61.5 mm	37.5 mm	33.0 mm
SPD 20 275 G2	66.00 g	61.5 mm	37.5 mm	33.0 mm
SPD 20 275 P5 G2	148.00 g	61.5 mm	37.5 mm	33.0 mm

Product line drawing



SPD 10 275 G2, SPD 15 275 G2, SPD 20 275 G2

SPD 10 275 P5 G2, SPD 15 275 P5 G2, SPD 20 275 P5 G2

Logistical data

Product description	Commodity code
SPD 10 275 G2	850440829000
SPD 10 275 P5 G2	850440829000
SPD 15 275 G2	850440829000
SPD 15 275 P5 G2	850440829000
SPD 20 275 G2	850440829000
SPD 20 275 P5 G2	850440829000

Product family datasheet

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172145381	SPD 10 275 G2	Shipping carton box 60	395 mm x 307 mm x 108 mm	13.10 dm ³	5318.00 g
4062172145404	SPD 10 275 P5 G2	Shipping carton box 50	395 mm x 329 mm x 158 mm	20.53 dm ³	8956.00 g
4062172145428	SPD 15 275 G2	Shipping carton box 60	395 mm x 307 mm x 108 mm	13.10 dm ³	5318.00 g
4062172145442	SPD 15 275 P5 G2	Shipping carton box 50	395 mm x 329 mm x 158 mm	20.53 dm ³	8956.00 g
4062172145466	SPD 20 275 G2	Shipping carton box 60	395 mm x 307 mm x 108 mm	13.10 dm ³	5318.00 g
4062172145480	SPD 20 275 P5 G2	Shipping carton box 50	395 mm x 329 mm x 158 mm	20.53 dm ³	8956.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.
