

## SPD G2

Surge protection device



### Product family features

- High surge protection for all lighting applications
- Failure indication LED
- Mains voltage up to 275 V
- Voltage protection level for connected LED driver <2 kV
- Push-in terminal

### Product family benefits

- Low maintenance effort
- Suitable for luminaires of protection class I/II
- Several protection level options for different applications
- Securing uptime of your outdoor lighting installation from overvoltage pulses
- Fully compliant with IEC 61643-11

### Areas of application

- Street and urban lighting
- Industry lighting
- Outdoor applications

## Product family datasheet

### Technical data

Product description	Electrical data			
	Suitable for power grids	Surge protection voltage(L/N-Ground)	Surge protection voltage(L-N)	Nominal discharge current (L-N)
SPD 10 275 G2	TN	10 kV	10 kV	5 kA
SPD 15 275 G2	TN	10 kV	15 kV	7.5 kA
SPD 20 275 G2	TN	15 kV	20 kV	10 kA

Product description	Nominal discharge current (L/N-Ground)	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	5 kA	1,5 kV	2 kV	0,1 %
SPD 15 275 G2	5 kA	1,5 kV	2 kV	0,1 %
SPD 20 275 G2	7.5 kA	1,5 kV	2 kV	0,1 %

Product description	Surge withstand capability	End of life indication (by LED light)	Over current protection	Open-circuit voltage
SPD 10 275 G2	10kA / 5kA / 3kA <sup>1)</sup>	YES	15 A	10 kV
SPD 15 275 G2	15kA(L-N) / 10kA(L-N,Ground) / 7.5kA(L-N) / 5kA(L-N,Ground) / 3kA(L-N) / 3kA(L-N,Ground) <sup>1)</sup>	YES	15 A	15 kV
SPD 20 275 G2	20kA(L-N) / 15kA(L-N,Ground) / 10kA(L-N) / 7.5kA(L-N,Ground) / 5kA(L-N) / 5kA(L-N,Ground) <sup>1)</sup>	YES	15 A	20 kV

Product description	Dimensions & weight				
	Wire preparation length, output side	Wire preparation length, input side	Cable cross-section, output side	Cable cross-section, input side	Product weight
SPD 10 275 G2	8...10 mm	8...10 mm	3*1 mm <sup>2 2)</sup>	3*1 mm <sup>2 2)</sup>	66.00 g
SPD 15 275 G2	8...10 mm	8...10 mm	3*1 mm <sup>2 2)</sup>	3*1 mm <sup>2 2)</sup>	66.00 g
SPD 20 275 G2	8...10 mm	8...10 mm	3*1 mm <sup>2 2)</sup>	3*1 mm <sup>2 2)</sup>	66.00 g

Product description	Length	Width	Height	Additional product data	Logistical data
				Predecessor EAN	Commodity code
SPD 10 275 G2	61.5 mm	37.5 mm	33.0 mm	4052899549807, 4052899549821	850440829000
SPD 15 275 G2	61.5 mm	37.5 mm	33.0 mm	4052899549869	850440829000
SPD 20 275 G2	61.5 mm	37.5 mm	33.0 mm		850440829000

## Product family datasheet

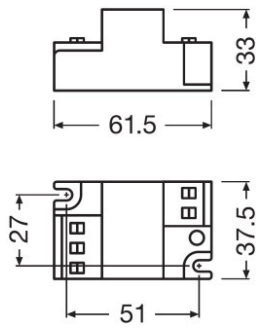
Product description	Environmental information			
	Date of Declaration	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1
SPD 10 275 G2	23-12-2021	4062172145381	Lead	7439-92-1
SPD 15 275 G2	23-12-2021	4062172145428	Lead	7439-92-1
SPD 20 275 G2	23-12-2021	4062172145466	Lead	7439-92-1

Product description	Safe Use Instruction	Declaration No. in SCIP database
SPD 10 275 G2	The identification of the Candidate List substance is sufficient to allow safe use of the article.	515e8a9f-4185-477c-af3c-7e34ee2f1e4a
SPD 15 275 G2	The identification of the Candidate List substance is sufficient to allow safe use of the article.	e4a1e9c1-7dee-473e-8750-278addf8a78f
SPD 20 275 G2	The identification of the Candidate List substance is sufficient to allow safe use of the article.	858126b5-3f36-49e4-a783-fb2acb302ac6

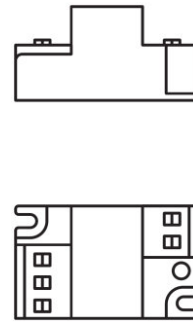
1) ~~strike~~

2) Solid and stranded

## Product family datasheet



Line drawing of SPD G2



Line drawing of SPD G2





### Application advice

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

### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

File	
	User instruction Surge Protection Device
	Certificates CE Declaration
	Certificates Surge Protective Device
	Declarations of conformity SPD 275 P5 G2 UK DoC 4291498 250221

### 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 <sup>3</sup>	5318.00 g

## Product family datasheet

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### Logistical Data

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4062172145428	SPD 15 275 G2	Shipping carton box 60	395 mm x 307 mm x 108 mm	13.10 dm <sup>3</sup>	5318.00 g
4062172145466	SPD 20 275 G2	Shipping carton box 60	395 mm x 307 mm x 108 mm	13.10 dm <sup>3</sup>	5318.00 g

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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.

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### Disclaimer

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