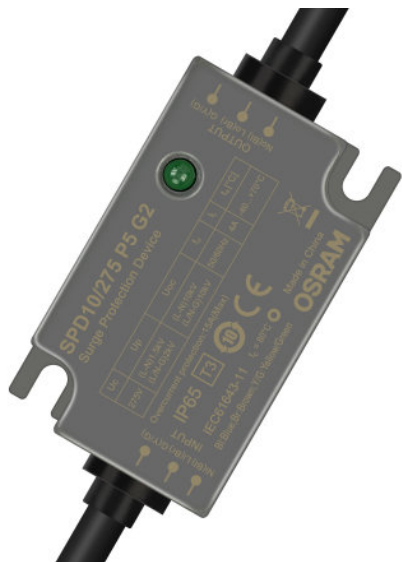


SPD P5 G2

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
- Cable Input / Output

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
- IP rating: IP65

Areas of application

- Street and urban lighting
- Industry lighting
- Outdoor applications

Product family datasheet

Technical data

Product description	Electrical data			
	Surge withstand capability	Over current protection	Max. voltage protection level (Up, L-N)	Max. voltage protection level (Up, L/N-Ground)
SPD 10 275 P5 G2	10kA / 5kA / 3kA ¹⁾	15 A	1,5 kV	2 kV
SPD 15 275 P5 G2	15kA(L-N) / 10kA(L-N,Ground) / 7.5kA(L-N) / 5kA(L-N,Ground) / 3kA(L-N) / 3kA(L-N,Ground) ¹⁾	15 A	1,5 kV	2 kV
SPD 20 275 P5 G2	20kA(L-N) / 15kA(L-N,Ground) / 10kA(L-N) / 7.5kA(L-N,Ground) / 5kA(L-N) / 5kA(L-N,Ground) ¹⁾	15 A	1,5 kV	2 kV

Product description	Surge protection voltage(L/N-Ground)	Open-circuit voltage	End of life indication (by LED light)	Power losses (% of total system power)
SPD 10 275 P5 G2	10 kV	10 kV	YES	0,1 %
SPD 15 275 P5 G2	10 kV	15 kV	YES	0,1 %
SPD 20 275 P5 G2	15 kV	20 kV	YES	0,1 %

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

Product description	Dimensions & weight				
	Wire preparation length, input side	Cable cross-section, output side	Wire preparation length, output side	Height	Cable cross-section, input side
SPD 10 275 P5 G2	8...10 mm	3*1 mm ² ²⁾	8...10 mm	330 mm	3*1 mm ² ²⁾
SPD 15 275 P5 G2	8...10 mm	3*1 mm ² ²⁾	8...10 mm	330 mm	3*1 mm ² ²⁾
SPD 20 275 P5 G2	8...10 mm	3*1 mm ² ²⁾	8...10 mm	330 mm	3*1 mm ² ²⁾

				Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
Product description	Width	Length	Product weight	Commodity code	Date of Declaration
SPD 10 275 P5 G2	375 mm	615 mm	14800 g	85044083900	23-12-2021
SPD 15 275 P5 G2	375 mm	615 mm	14800 g	85044083900	23-12-2021
SPD 20 275 P5 G2	375 mm	615 mm	14800 g	85044083900	23-12-2021

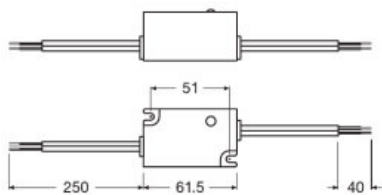
Product family datasheet

Product description	Primary Article Identifier	Candidate List Substance 1	CAS No. of substance 1	Safe Use Instruction
SPD 10 275 P5 G2	4062172145404	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
SPD 15 275 P5 G2	4062172145442	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.
SPD 20 275 P5 G2	4062172145480	Lead	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.

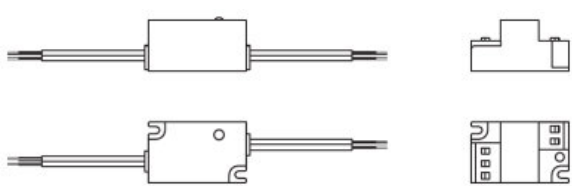
Product description	Declaration No. in SCIP database
SPD 10 275 P5 G2	fba879e6-6755-4970-82a6-3b05b219d554
SPD 15 275 P5 G2	c44fc8db-326f-4525-9f31-d53194a0b4f3
SPD 20 275 P5 G2	ea540903-6f43-4ae5-b586-350776815ff3

1) 1strike
2) Solid and stranded

Product family datasheet



SPD G2



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

Download Data

File	
	User instruction Surge Protection Device
	Certificates SPD P5 G2 CE 4212590 251023
	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
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

Product family datasheet

Logistical Data

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
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.