

# Surge Protection Device

## Surge Protection Device 277V



The Philips Surge Protection Device 277V (SPD) is the ideal solution for maximum protection of Outdoor lighting investments. Essential for LED systems installed in high-risk areas, the advantages of using the SPD are not limited only to LED systems. The product can be used in any new or existing lighting solution, regardless of technology. The SPD offers protection without requiring a protective earth connection, making it a unique solution, suitable for Class II systems. It is specifically designed to deliver a long-lasting solution with robust protection against a wide range of temperatures, moisture and vibrations, ensuring peace of mind.

## Product data

### • General Characteristics

Lifetime 90% surv.@Tcaselife	100000 hr
Suitable for outdoor use	Yes

### • Operating Characteristics

Input frequency	50/60 Hz
Input voltage range (AC)	100-277 V
Open circuit voltage	10 (max) kV
Protection level up (L-N) @5kA	1.6 (max) kV
Prot. level up (LN-earth) @5kA	2.5 (max) kV
Nominal surge current in	5000 A
Maximum surge current in	10000 (max) A
Standby power consumption	0.1 (max) W
Maximum required back-up fuse	16A type gL/B
Strikes @1kA (comm./diff.)	100/100 -
Strikes @3kA (comm./diff.)	100/100 -
Strikes @5kA (comm./diff.)	45/35 -

### • Wiring Characteristics

Connector type	Screw
Recommended wire strip length	8-9 mm

Allowable wire diameter	0.5-4.0 mm2
-------------------------	-------------

### • Temperature Characteristics

T-ambient	-40 (min), 70 (max) C
T-case maximum	80 (max) C
T-case lifetime	70 C

### • Product Dimensions

Length A1	89 mm
Length A2	70 mm
Width B1	41 mm
Height C1	38.0 mm
Fixing hole diameter D1	4.3 mm

### • Approval & Application Chars

Isolation classification	Class I and Class II
CE marking	Yes
IEC category	III

### • Product Data

Order code	929000665202
Full product code	929000665202
Full product name	Surge Protection Device 277V
Order product name	Surge Protection Device 277V
Pieces per pack	1
Packing configuration	20
Packs per outerbox	20
Bar code on pack - EAN1	8718291161806
Bar code on outerbox - EAN3	8718291161813

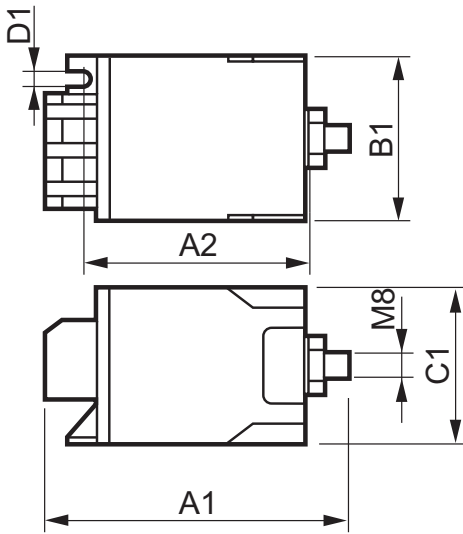
**PHILIPS**

# Surge Protection Device

Logistic code(s) - 929000665202  
12NC

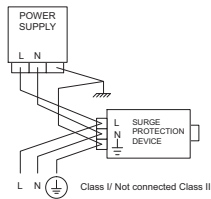
Net weight per piece 0.058 kg

## Dimensional drawing



## Surge Protection Device 277V

Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)	D2 (Norm)
Surge Protection Device 277V	89	70	41	38.0	4.3	-



Surge Protection Device 277V



© 2013 Koninklijke Philips N.V. (Royal Philips)  
All rights reserved.

Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.

[www.philips.com/lighting](http://www.philips.com/lighting)

2013, June 20  
data subject to change