

**Surge protection
SPD II 1 150V/50KA**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Surge protection for use in low-voltage supplies. The SPD II series is tested according to UL 1449 ed. 3 (file E354261) as type 4 for use in type 2 applications. These arresters are used in mains voltages up to 150 V L-PEN, installed according to the mains system specifications and are able to discharge a rated current of up to 50 kA (8/20 μ s) per path. The compact and modular structure of the SPD II is only 17.8 mm wide (1 E) per arrester, and enables rapid and simple exchange of the arrester. Thanks to this spare arrester, the SPD II 150 V protection can be re-activated after a failure.

General ordering data

Order No.	1348340000
Type	SPD II 1 150V/50KA
Version	Surge protection, Low voltage, without telecomm. contact
GTIN (EAN)	4050118152487
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	18 mm	Height	90 mm
Depth	73.5 mm	Net weight	138 g

Temperatures

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+85 °C
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General data

Colour	Light Grey	Design	Installation housing; 1TE
Height with TS 35	74 mm	Lightning arrester	No
Mounting rail	TS 35, TS 35 x 15, TS 35 x 7.5	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP 20	UL 94 flammability rating	V-0

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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technical data

Rated voltage (AC)	120 V	Highest continuous voltage (AC)	150 V
Short-circuit current rating I_{SCCR}	200 kA	Total discharge current I_{total}	50 kA
Discharge current, max. (8/20 μ s)	50 kA	Protection level U_p (typ.)	≤ 1200 V
Colour	Light Grey	AC/DC/UC	AC
Response time	≤ 100 ns		

Connection data

Clamping range, rated connection	25 mm ²	Clamping range, rated connection, min.	4 mm ²
Clamping range, rated connection, max.	35 mm ²	Wire connection cross section, stranded, rated connection, min.	2.5 mm ²
Wire connection cross section, stranded, rated connection, max.	25 mm ²	Tightening torque, min.	2.5 Nm
Tightening torque, max.	3.5 Nm	Stripping length, rated connection	15 mm

Rated data UL

Category	Typ 2	I_{max}	50 kA
I_n	20 kA	MCOV	150 Vac
SCCR	200 kA	Test Voltage 39.1 (UL 1449)	240 V
UL certificate	E-File 354261 Type 2 by UL1449 Ed.3	VPR	1.2 kV

Classifications

ETIM 3.0	EC000941	UNSPSC	30-21-19-21
eClass 5.1	27-13-08-01	eClass 6.2	27-13-08-02
eClass 7.1	27-14-02-01		

Data sheet...**Surge protection
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Technical data**Approvals**

Approvals



ROHS

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Declaration of Conformity

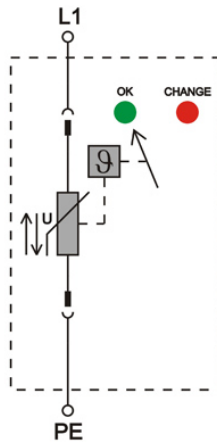
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EPLAN

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Drawings**Electric symbol**

Circuit diagram