Surge protection
SPD II 1 550V/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 550 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 µs) per path. The SPD II has a compact, modular structure and a standard module width of 17.8 mm; it allows rapid and simple exchange of the arrester. This spare arrester allows re-activation of the SPD II 550 V protection after failure.

General ordering data

Order No.	1348450000
Type	SPD II 1 550V/50KA
Version	Surge protection, Low voltage, without telecomm. contact
GTIN (EAN)	4050118152692
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	146 g

Temperatures

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

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

technical data

Rated voltage (AC)	480 V	Highest continuous voltage (AC)	550 V
Short-circuit current rating I_{SCCR}	200 kA	Total discharge current I_{total}	50 kA
Discharge current, max. (8/20 µs)	50 kA	Protection level U_P (typ.)	≤ 2500 V
Colour	Light Grey	AC/DC/UC	AC
Response time	≤ 100 ns		

Connection data

Clamping range, rated connection	25 mm²	Clamping range, rated connection, min.	4 mm²
Clamping range, rated connection, max.	35 mm²	Wire connection cross section, stranded, rated connection, min.	2.5 mm²
Wire connection cross section, stranded, rated connection, max.	25 mm²	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	550 Vac
SCCR	200 kA	Test Voltage 39.1 (UL 1449)	600 V
UL certificate	E-File 354261 Type 2 by UL1449 Ed.3	VPR	2.5 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		

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Technical data

Approvals

Approvals	
ROHS	Conform

Downloads

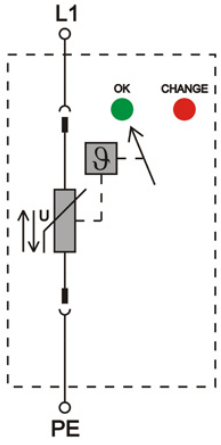
Declaration of Conformity	K481_05_12.pdf
EPLAN	1348450000.ema

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Drawings

Electric symbol



Circuit diagram