Surge protection
SPD II 1 R 400V/50KA

Weidmüller Interface GmbH & Co. KG
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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 385 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 385 V protection after failure.

General ordering data

Order No.	1348430000
Type	SPD II 1 R 400V/50KA
Version	Surge protection, Low voltage, with telecomm. contact
GTIN (EAN)	4050118152791
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	18 mm	Height	100 mm
Depth	73.5 mm	Net weight	150 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)	347 V	Highest continuous voltage (AC)	385 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.)	≤ 1800 V
Signalling contact	250 V / 0,5 A, 48 VDC / 0,1 A	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

Connection data, remote alert

Connection type [remote alert]	Screw connection	Max. torque [remote alert]	0.22 Nm
Stripping length [remote alert]	5 mm	Cross-section for connected wire, solid core, min. [remote alert]	0.2 mm²
Cross-section for connected wire, solid core, max. [remote alert]	1.5 mm²		

Rated data UL

Category	Typ 2	I_{max}	50 kA
I_n	20 kA	MCOV	385 Vac
SCCR	200 kA	Test Voltage 39.1 (UL 1449)	600 V
UL certificate	E-File 354261 Type 2 by UL1449 Ed.3	VPR	1.8 kV

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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		

Approvals

Approvals	
ROHS	Conform

Downloads

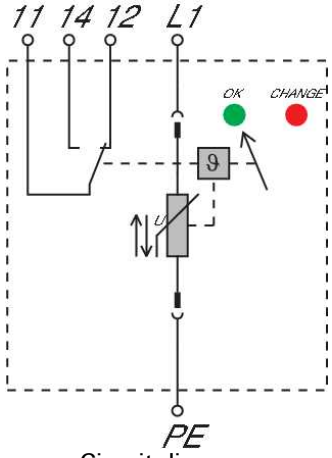
Declaration of Conformity	K481_05_12.pdf
EPLAN	1348430000.ema

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Drawings

Electric symbol



Circuit diagram

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

WeidmÃ¼ller:

1818090500 2642470000 9456650000 1031470000 1127570000 1649300000 1906650000 1950200000
9037380000 024892 SAKS3 1013450000 1124150000 1786450000 1804580000 1221360000 1289470000
1609820000 1622940000 1784180000 2535780000 1121990000 1760040000 1779950000 8690200000
8951460000 0303620000 1608570000 1890260000 1607520000 1608830000