

Surge protection
SPD II 1 R 150V/50KA

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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 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.	1348350000
Type	SPD II 1 R 150V/50KA
Version	Surge protection, Low voltage, with telecomm. contact
GTIN (EAN)	4050118152821
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	142 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
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 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

Connection data, remote alert

Connection type [remote alert]	Screw connection, pluggable	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 mm ²
Cross-section for connected wire, solid core, max. [remote alert]	1.5 mm ²		

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

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Technical data**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	1348350000.ema

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Drawings

Electric symbol

