

**PU-Series**  
**PU II 2+1 550V/40kA**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)



**Class II/III surge protection with varistors, &nbsp;    
with U<sub>C</sub>: 550 V**

- Plug-in varistor, top section
- Coded voltage levels, diverse voltage
- high energy absorption with short time to sparkover
- insert can be rotated through 180°;
- no follow current
- installed in Insta distributor
- thermal protection
- Suitable for use in photovoltaic applications
- Coordination between Class I with Up: **&le; 1.5 kV**

### General ordering data

Type	PU II 2+1 550V/40kA
Order No.	<a href="#">8882340000</a>
Version	PU-Series, Surge protection, Low voltage, without telecomm. contact
GTIN (EAN)	4032248618675
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Width	54 mm	Height	90 mm
Depth	58 mm	Net weight	338 g

**Temperatures**

Operating temperature	-40 °C...+70 °C	Storage temperature	-40 °C...+85 °C
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**Discharge surge current of top part**

Limiting discharge current (8/20 µs) $I_{\max}$	40 kA	Rated discharge current (8/20 µs) $I_N$	20 kA
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**General data**

Colour	Black, Arrester red / blue	Design	Installation housing; 3TE
Height with TS 35	63 mm	Lightning arrester	Yes
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	Segment	Power distribution

**Insulation coordination acc. to EN 50178**

Pollution severity	2	Surge voltage category	III
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**technical data**

Rated voltage (AC)	550 V	Max. continuous voltage, $U_c$ (AC)	550 V
Max. continuous voltage, $U_c$ (DC)	745 V	Max. continuous voltage, $U_c$ (N-PE)	260 V
Max. continuous voltage, DC [(L+/L-) - >PE]	900 V AC / 1200 V DC	Highest continuous voltage (AC)	550 V
Temporary surge voltage (over-voltage) - TOV	550 V	Limiting discharge current (8/20 µs) $I_{\max}$	40 kA
Max. discharge surge current per path 8/20 µs (N-PE)	40 kA	Combined pulse $U_{OC}$	6 kV
Rated discharge current (8/20 µs) $I_N$	20 kA	Fuse, max.	125 A gL
Discharge current, nominal, per path, (8/20 µs)	20 kA	Discharge current, max. (8/20 µs)	40 kA
Protection level at 5kA ( $U_p$ )	< 1700 V	Protection level at $I_N$ (N-PE)	< 1500 V
Protection level at $I_N$ ( $U_p$ )	< 2650 V	Signalling contact	No
PV voltage, acc. to IEC 60364-7-712	≤ 1000 V	Colour	Black, Arrester red / blue
AC/DC/UC	AC	Requirements class, acc. to EN 61643-11	T2, T3
Requirements category acc. to IEC 61643-11	Type II, Type III	Response time	≤ 25 ns
Cross-section	25 mm <sup>2</sup>		

**Connection data**

Clamping range, rated connection	25 mm <sup>2</sup>	Clamping range, rated connection, min.	4 mm <sup>2</sup>
Clamping range, rated connection, max.	16 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	4 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	25 mm <sup>2</sup>	Tightening torque, min.	2.5 Nm
Tightening torque, max.	3 Nm	Stripping length, rated connection	15 mm
Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>		

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## Technical data

### Power protection Class III

Combined pulse $U_{OC}$	6 kV	Max. continuous voltage, $U_c$ (AC)	550 V
Max. continuous voltage, $U_c$ (DC)	745 V	Rated voltage (AC)	550 V

### 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		

### Product information

Descriptive text accessories	Pluggable spare arrester PU II 0 550V / 40kA - 8860120000 Pluggable spare arrester PU II 0 N-PE 280V / 40kA - 8871940000
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### Approvals

Approvals



ROHS	Conform
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### Downloads

Package insert	<a href="#">Instruction sheet PU II</a>
Declaration of Conformity	<a href="#">CE document</a>
EPLAN	<a href="#">8882340000.ema</a>

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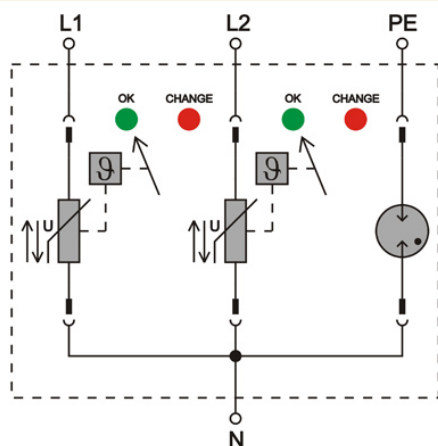
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## Drawings

### Electric symbol



Circuit diagram