

**VPU series**  
**VPU II 3 R 400V/40KA**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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**Type II/III surge protection  $U_c$ : 400 V**  
**Suitable for 400/690 V mains systems**

- Pluggable arrester
- Coded voltage level
- High energy absorption with short time to sparkover
- No follow current
- Installation in distribution board
- Thermal protection function
- Co-ordination with VPU Type I

**General ordering data**

Type	VPU II 3 R 400V/40KA
Order No.	<a href="#">1352890000</a>
Version	Surge voltage arrester, Low voltage, with remote contact, TN-C, IT without N
GTIN (EAN)	4050118157512
Qty.	1 pc(s).

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

Width	53.4 mm	Width (inches)	2.102 inch
Height	106 mm	Height (inches)	4.173 inch
Depth	69 mm	Depth (inches)	2.717 inch
Mounting dimension - height	75 mm	Net weight	425 g

**Temperatures**

Humidity	5 - 95% rel. humidity	Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	80 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C
Storage temperature	-40 °C...80 °C		

**Connection data, remote alert**

Connection type	PUSH IN	Stripping length	8 mm
Cross-section for connected wire, solid core, min.	0.14 mm <sup>2</sup>	Cross-section for connected wire, solid core, max.	1.5 mm <sup>2</sup>

**General data**

Colour	Black, Orange	Design	Installation housing; 3TE, Insta IP 20
Mounting rail	TS 35	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20	Segment	Power distribution
UL 94 flammability rating	V-0	Version	with remote contact

**Insulation coordination acc. to EN 50178**

Pollution severity	2	Surge voltage category	III
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**Rated data IEC / EN**

Combined pulse $U_{OC}$	10 kV	Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE	40 kA
Discharge current $I_n$ (8/20 $\mu$ s) wire-PE	20 kA	Follow-on current extinguishing capability $I_{fi}$	Not available due for technical reasons
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	125 A gL (if back-up fuse > 125 A)	Leakage current at $U_n$	150 $\mu$ A
Low voltage network	TN-C, IT without N	Max. continuous voltage, $U_c$ (AC)	400 V
No. of poles	3	Protection level $U_p$ at $I_N$ (L/N-PE)	$\leq 2.1$ kV
Rated voltage (AC)	400 V	Requirements category acc. to IEC 61643-11	Type II, Type III
Requirements class, acc. to EN 61643-11	T2, T3	Response time	$\leq 25$ ns
Short-circuit current rating $I_{SCCR}$	25 kA	Signalling contact	250 V 1A 1CO
Temporary surge voltage (over-voltage) - TOV	620 V	Voltage type	AC

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## Technical data

### Connection data

Type of connection	Screw connection	Stripping length, rated connection	15 mm
Tightening torque, min.	2 Nm	Tightening torque, max.	3 Nm
Clamping range, rated connection	16 mm <sup>2</sup>	Clamping range, min.	1.5 mm <sup>2</sup>
Wire cross-section, solid, min.	1.5 mm <sup>2</sup>	Wire cross-section, solid, max.	16 mm <sup>2</sup>
Wire connection cross-section, finely stranded, min.	1.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1.5 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	50 mm <sup>2</sup>
Connection cross-section, stranded, min.	1.5 mm <sup>2</sup>	Connection cross-section, stranded, max.	50 mm <sup>2</sup>

### Classifications

ETIM 3.0	EC000941	ETIM 5.0	EC000510
ETIM 6.0	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	eClass 8.1	27-14-02-01
eClass 9.0	27-14-02-01	eClass 9.1	27-13-08-05

### Product information

Instructions for accessories      Pluggable spare arrester VPU II 0 400 V/40 kA-1352820000

### Approvals

Approvals



ROHS      Conform

### Downloads

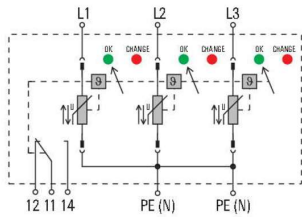
Approval/Certificate/Document of Conformity	<a href="#">CE PAPER</a>
Brochure/Catalogue	<a href="#">CAT 4.4 ELECTR 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Instruction sheet</a>

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**Drawings**

**Electric symbol**



Schematic circuit diagram