

Surge protection VPU II 1 R 280V/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



Type II/III surge protection U_c : 280 V Suitable for 230/400 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 1 R 280V/40KA
Order No.	1352590000
Version	Surge protection, Low voltage, Type II, Type III, 20 kA , with telecomm. contact, U_p : \leq 1.55 kV
GTIN (EAN)	4050118157758
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Width	17.8 mm	Height	106 mm
Depth	69 mm	Mounting dimension - height	75 mm
Net weight	146 g		

Temperatures

Humidity	0...95 % (no condensation)	Operating temperature	-40 °C...+70 °C
Storage temperature	-40 °C...+80 °C		

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

Acoustic signal	No	Colour	Black, Arrester red
Design	Installation housing; 1TE	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
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)	230 V	Max. continuous voltage, U_c (AC)	280 V
Temporary surge voltage (over-voltage) - TOV	438 V	Limiting discharge current (8/20 µs) I_{max}	40 kA
Combined pulse U_{OC}	10 kV	Rated discharge current (8/20 µs) I_N	20 kA
Fuse, max.	125 A gL	Short-circuit current rating I_{SCCR}	25 kA
Discharge current, nominal, per path, (8/20 µs)	20 kA	Discharge current, max. (8/20 µs)	40 kA
Short-circuit strength with max. back-up fuse	25 kA _{eff}	Protection level U_p (typ.)	≤ 1.55 kV
Leakage current at U_n	30 µA	Signalling contact	250 V 1A 1CO
Standards	IEC61643-11, EN61643-11	Colour	Black, Arrester red
Humidity	0...95 % (no condensation)	Requirements class, acc. to EN 61643-11	T2, T3
Requirements category acc. to IEC 61643-11	Type II, Type III	Response time	≤ 25 ns

Connection data

Clamping range, rated connection	16 mm ²	Clamping range, rated connection, min.	1.5 mm ²
Clamping range, rated connection, max.	50 mm ²	Wire connection cross section, stranded, rated connection, min.	1.5 mm ²
Wire connection cross section, stranded, rated connection, max.	50 mm ²	Tightening torque, min.	2 Nm
Tightening torque, max.	3 Nm	Stripping length, rated connection	15 mm
Wire connection cross section, finely stranded, max.	25 mm ²		

Erstellungs-Datum January 31, 2014 1:56:42 PM CET

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Connection data, remote alert

Connection type [remote alert]	PUSH IN	Stripping length [remote alert]	8 mm
Cross-section for connected wire, solid core, min. [remote alert]	0.14 mm ²	Cross-section for connected wire, solid core, max. [remote alert]	1.5 mm ²

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 VPU II 0 280 V/40 kA-1352570000
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Approvals

Approvals



ROHS	Conform
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Downloads

Package insert	Instruction sheet
Declaration of Conformity	CE document
EPLAN	1352590000.ema
3D Modell	

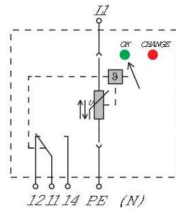
Datenblatt

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Zeichnungen

Electric symbol



Circuit diagram
