VPU II 0 PV Y 1000V DC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



General ordering data

Version	Surge voltage arrester, Low voltage
Order No.	1375440000
Type	VPU II 0 PV Y 1000V DC
GTIN (EAN)	4050118192230
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-12-31
Alternative product	2530660000

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Technical data

Dimensions and weights

Depth	64 mm	Depth (inches)	2.52 inch
Height	90 mm	Height (inches)	3.543 inch
Width	17.8 mm	Width (inches)	0.701 inch
Net weight	90 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...

General data

Colour	orange	Design	Installation housing; 1TE, Insta IP 20
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP20
Rail	TS 35	UL 94 flammability rating	V-0

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III

Photovoltaic technical data

Maximum continuous operating voltage DC UCPV mode +/-, -/PE, +/PE	1,000 V	PV system voltage, max. U_{cpv}	1,000 V
Protection level U_p (+/- , -/PE , +/PE)	≤ 4.0 kV	Protection level U_p at I_n (per module)	≤ 4.0 kV
Requirements class	Type II	Short-circuit curent I_{SCPV}	200 A
Standards	EN 50539-11		

Rated data IEC / EN

Discharge current I_{max} (8/20µs) wire-PE	40 kA	Discharge current I_n (8/20µs) wire-PE	20 kA
Leakage current at U_n	30 µA	Max. continuous voltage, Uc (DC)	1000 V
Number of poles	1	PV voltage, acc. to IEC 60364-7-712	≤ 1000 V
Protection level U_p at I_N (L/N-PE)	≤ 2.1 kV	Rated voltage (DC)	1000 V
Response time	≤ 25 ns	Standards	EN 50539-11
Voltage type	DC		

Connection data

Type of connection	pluggable

Classifications

ETIM 6.0	EC000941	ETIM 7.0	EC000941
ETIM 8.0	EC000941	ETIM 9.0	EC000941
ECLASS 9.0	27-13-08-05	ECLASS 9.1	27-13-08-05
ECLASS 10.0	27-13-08-05	ECLASS 11.0	27-13-08-05
ECLASS 12.0	27-17-90-90	ECLASS 13.0	27179090

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Technical data

Tender specification sheets

Long specification	Spare arrestor consisting of V0 material for surge voltage arrestor VPU II 1000 VDC Y series. The pluggable high-performance varistors can be exchanged by trained personnel following a failure. Rated voltage: 1000 VDC for PV systems Y series Type: Weidmüller VPU II 0 PV Y 1000 VDC Order No.: 13515440000	Short specification	Spare arrester for surge voltage arrester VPU II 1000 V DC Y series The pluggable high-performance varistors can be swapped by trained personnel following a failure. Rated voltage: 1000 V DC for PV systems Y-series Type: Weidmüller VPU II 0 PV Y 1000 V DC Order no.: 13515440000

Approvals

Approvals	CE
ROHS	Conform

Downloads

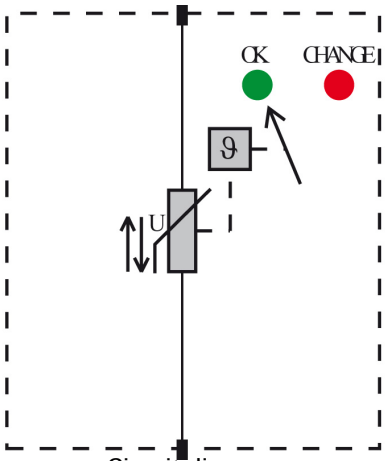
Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format

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Drawings



Circuit diagram

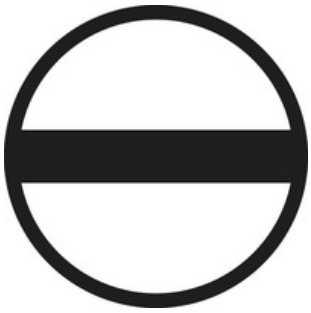
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Accessories

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

Type	SDIS 1.0X5.5X125	Version
Order No.	2749850000	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade
GTIN (EAN)	4050118897050	thickness (A): 1 mm
Qty.	1 pc(s).	

Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

General ordering data

Type	SDIK PH1 X 80	Version
Order No.	2749890000	Screwdriver, Blade width (B): 80 mm, Blade thickness (A):
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	