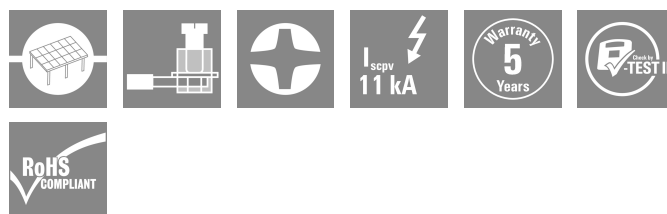
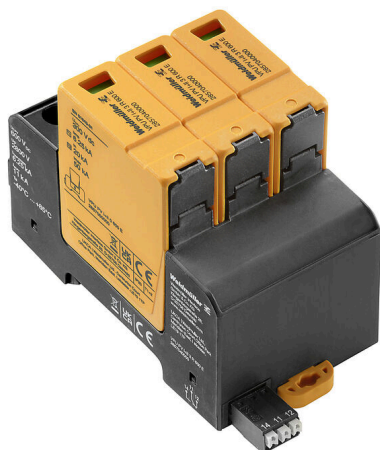


VPU PV I+II 3 R 600 E

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

www.weidmueller.com



General ordering data

Order No.	2857040000
Type	VPU PV I+II 3 R 600 E
GTIN (EAN)	4064675537403
Qty.	1 items

VPU PV I+II 3 R 600 E

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	77.2 mm	Depth (inches)	3.0394 inch
Height	110 mm	Height (inches)	4.3307 inch
Width	54 mm	Width (inches)	2.126 inch
Mounting dimension - height	75 mm	Net weight	385 g

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
Humidity	5 - 95% rel. humidity		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Connection data, remote alert

Cross-section for connected wire, solid core, min.	0.25 mm ²	Stripping length	12 mm
Cross-section for connected wire, solid core, max.	1.5 mm ²		

General data

Optical function display	green = OK; red = arrester is defective - replace	Version	with remote contact
Design	Installation housing; 3TE, Insta IP 20	UL 94 flammability rating	V-0
Colour	black, orange	Protection degree	IP20
Mounting rail	TS 35	Operating altitude	≤ 4000 m

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2
------------------------	-----	--------------------	---

Photovoltaic technical data

Standards	EN 61643-31, EN 50539-11	Lightning test current Iimp (10/350 μs)	6.25 kA
Protection level Up (+/-, -/PE, +/-PE)	≤ 2.8 kV	Operating height in ungrounded PV system	≤ 4000 m
Short-circuit current ISCP	11000 A	Total discharge current Itotal (8/20 μs)	50 kA
Discharge current In (8/20 μs)	20 kA	Requirements class	Type I/II
Operating height in the grounded PV system	≤ 2000 m	Total discharge current Itotal (10/350 μs)	6.25 kA
PV system voltage, max. Ucpv	600 V		

VPU PV I+II 3 R 600 E

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Rated data IEC / EN

Number of poles	3	Leakage current at U_n	30 μ A
Signalling contact	250 V 1A 1CO	Rated voltage (DC)	600 V
Voltage type	DC	Fuse protection	No
Response time / fallback time	≤ 25 ns	Standards	EN 61643-31, EN 50539-11
Lightning test current I_{imp} (10/350 μ s)	6.25 kA	Max. continuous voltage, U_c (DC)	600 V
Energy coordination (≤ 10 m)	Type I, Type II, Type III	Discharge current I_{max} (8/20 μ s) wire-PE40 kA	
SPD type	T1, T2	Integrated back-up fuse	No

Connection data

Stripping length	18 mm	Type of connection	Screw connection
Stripping length, rated connection	18 mm	Tightening torque, min.	3 Nm
Tightening torque, max.	4.5 Nm	Clamping range, rated connection	6 mm ²
Clamping range, min.	1.5 mm ²	Clamping range, max.	35 mm ²
Wire cross-section, solid, min.	1.5 mm ²	Wire cross-section, solid, max.	35 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	35 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	1.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	25 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Connection cross-section, stranded, max.	35 mm ²

Electrical data

Voltage type	DC
--------------	----

General data

Number of poles	3	Protection degree	IP20
Colour	black, orange		

Guarantee

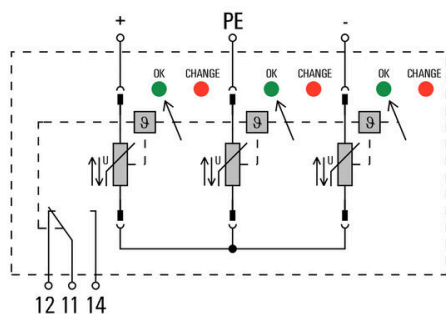
Time interval	5 years
---------------	---------

Classifications

ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-14-03
ECLASS 15.0	27-17-14-03		

Drawings

Electric symbol



Circuit diagram