

## Surge protection VPU I 3 LCF 280V/12,5KA

**Weidmüller Interface GmbH & Co. KG**  
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### Type I/II lightning arrester for use downstream/ upstream of the electrical meter

- No-leakage-current version suitable for use upstream of the electrical meter
- Suitable for protective zones III and IV (LPL III/IV)
- Can also be used as Type II surge protection
- Tested according to IEC 61643-11 for Type I and II surge protection
- Pluggable arrester

### General ordering data

Type	VPU I 3 LCF 280V/12,5KA
Order No.	<a href="#">1352090000</a>
Version	Surge protection, Low voltage, Type I + II, 230 V, 25 kA , without telecomm. contact, LPL: III, U <sub>p</sub> : ≤ 1.45 kV , TN-C
GTIN (EAN)	4050118158144
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Width	53.4 mm	Height	94 mm
Depth	69 mm	Mounting dimension - height	75 mm
Net weight	543 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) $I_{max}$	50 kA	Rated discharge current (8/20 µs) $I_N$	25 kA
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### General data

Colour	Black, Arrester red	Design	Installation housing; 3TE, Insta IP 20
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	IV
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### technical data

Rated voltage (AC)	230 V	Rated voltage	230 V
Max. continuous voltage, $U_c$ (AC)	280 V	Temporary surge voltage (over-voltage) - TOV	335 V
Discharge current $I_n$ (8/20µs) wire-PE	50 kA	Discharge current $I_{max}$ (8/20µs) wire-PE	50 kA
Discharge current, max. (10/350 µs)	12.5 kA	Limiting discharge current (8/20 µs) $I_{max}$	50 kA
Rated discharge current (8/20 µs) $I_N$	25 kA	Fuse, max.	250 A gL
Short-circuit current rating $I_{SCCR}$	25 kA	Discharge current, nominal, per path, (8/20 µs)	25 kA
Discharge current, max. (8/20 µs)	50 kA	Short-circuit strength with max. back-up fuse	25 kA <sub>eff</sub>
Protection level $U_p$ (typ.)	≤ 1.45 kV	Leakage current at $U_n$	0 µA
Signalling contact	No	Standards	IEC61643-11, EN61643-11
Colour	Black, Arrester red	Humidity	0...95 % (no condensation)
Requirements class, acc. to EN 61643-11	T1, T2	Requirements category acc. to IEC 61643-11	Type I, Type II
Response time	≤ 100 ns	Lightning test current $I_{imp}$ (10/350 µs)	12.5 kA
Lightning test current $I_{imp}$ (10/350 µs) [L-PE]	12.5 kA		

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## Technische Daten

### Connection data

Clamping range, rated connection	16 mm <sup>2</sup>	Clamping range, rated connection, min.	4 mm <sup>2</sup>
Clamping range, rated connection, max.	50 mm <sup>2</sup>	Wire connection cross section, stranded, rated connection, min.	1.5 mm <sup>2</sup>
Wire connection cross section, stranded, rated connection, max.	50 mm <sup>2</sup>	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 <sup>2</sup>		

### Classifications

ETIM 3.0	EC000381	UNSPSC	30-21-19-22
eClass 5.1	27-14-02-01	eClass 6.2	27-13-08-02
eClass 7.1	27-14-02-01		

### Product information

Descriptive text accessories	Pluggable spare arrester VPU I 0 LCF 280 V/12.5 kA-1352000000
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### Approvals

Approvals



ROHS	Conform
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### Downloads

Package insert	<a href="#">Instruction sheet</a>
Declaration of Conformity	<a href="#">CE document</a>
EPLAN	<a href="#">1352090000.ema</a>
<a href="#">3D Modell</a>	

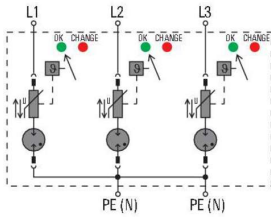
**Datenblatt**

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**Zeichnungen**

**Electric symbol**



Circuit diagram