

PU-Series
PU I 1TSG+ 350V 1,5kV

Weidmüller Interface GmbH & Co. KG
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- This space-saving, encapsulated lightning arrester can switch mains follow currents and discharge currents of max. 50 kA (10/350 μ s). It enables installations in protective classes I and II.
- High degree of protection against short circuits, with max. back-up fuse of 50 kA. This ensures safe installations anywhere around the globe.
- The pluggable arrester always guarantees proper readability. It also ensures that the shortest path is taken to the system's earth potential.
- The arrester's status display enables defective modules to be quickly located and replaced. The status can also be forwarded on to the control room by means of the remote alarm signals.
- The low protection level (1.5 kV) increases the dielectric strength in the main distributor; as a result, the connected devices are not damaged.

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2015-06-01
Type	PU I 1TSG+ 350V 1,5kV
Order No.	8960480000
Version	PU-Series, Surge protection, Low voltage, Overvoltage protection for low-voltage supply
GTIN (EAN)	4032248770649
Qty.	1 pc(s).
Alternative product	1351570000

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Technical data
Dimensions and weights

Width	36 mm	Height	97 mm
Depth	72.5 mm	Net weight	485 g

Temperatures

Operating temperature	-40 °C...80.000000 °C	Storage temperature	-40 °C...80.000000 °C
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General data

Colour	Black	Design	Installation housing; 2TE, Insta IP 20
Lightning arrester	Yes	Mounting rail	TS 35
Optical function display	green = OK; red = arrester is defective - replace	Protection degree	IP 20
Segment	Power distribution		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Interference voltage

On output side (L - N) at max. discharge current; smaller	1,500 V	On output side, smaller	1500 V
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Protective elements

Gas discharge tube	Triggered sparkover gap
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technical data

Rated voltage (AC)	240 V	Max. continuous voltage, U_c (AC)	350 V
Highest continuous voltage (AC)	350 V	Temporary surge voltage (over-voltage) - TOV	415 V
Discharge current, max. (10/350 μ s)	25 kA	Fuse, max.	315 A gl
Short-circuit current rating I_{SCCR}	150 kA	Total discharge current I_{total}	25 kA
Short-circuit strength with max. back-up fuse	50 kA	Protection level U_p (typ.)	1500 V
Protection level U_p L (PE) - N	≤ 1500 V	Leakage current at U_n	0.01 mA
Signalling contact	250 V 1A 1CO	Standards	IEC61643-11, EN61643-11
Colour	Black	AC/DC/UC	AC
Requirements class, acc. to EN 61643-11	T1	Requirements category acc. to IEC 61643-11	Type I
Response time	≤ 100 ns	Lightning test current I_{imp} (10/350 μ s)	25 kA
Lightning test current I_{imp} (10/350 μ s) [L-PE]	25 kA	Cross-section	25 mm ²
Mains frequency at 250 Vmax	50...60 Hz	Specific energy, per path	160 kJ/ Ω

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Technical data

Connection data

Clamping range, rated connection	25 mm ²	Clamping range, rated connection, min.	2.5 mm ²
Clamping range, rated connection, max.	35 mm ²	Wire connection cross section, stranded, rated connection, min.	2.5 mm ²
Wire connection cross section, stranded, rated connection, max.	25 mm ²	Tightening torque, min.	4 Nm
Tightening torque, max.	4.5 Nm		

Connection data, remote alert

Connection type [remote alert]	pluggable	Max. torque [remote alert]	0.25 Nm
Stripping length [remote alert]	7 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	EC000381	UNSPSC	30-21-18-01
eClass 5.1	27-14-02-01	eClass 6.2	27-14-02-01
eClass 7.1	27-14-02-01		

Product information

Descriptive text accessories	Pluggable spare arrester: L-N: PU I O TSG+ 350 V 1.5 kV 8960520000, N-PE: PU I O N/PE TSG+ 350 V 1.5 kV 1066040000
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Approvals

Approvals



ROHS	Conform
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Downloads

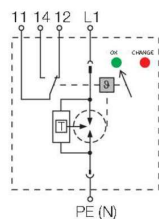
Declaration of Conformity	CE document
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Drawings

Electric symbol



Circuit diagram