

VPU I O 400V/25KA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Spare arrester Type I**

Weidmüller VPU I surge protection products protect low-voltage consumer installations and electronic devices against overvoltages that can occur as a result of atmospheric discharges (thunderstorms) or switching operations (transients). The VPU I series meets the Type I and Type II requirements acc. to IEC 61643-11 and the Type 1 and Type 2 requirements acc. to EN 61643-11. The spare arresters are coded and can only be inserted into suitable bases.

General ordering data

| | |
|------------|--|
| Version | Surge voltage arrester, Low voltage, Accessories, Spare arrester |
| Order No. | 1351790000 |
| Type | VPU I O 400V/25KA |
| GTIN (EAN) | 4050118158380 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 64 mm | Depth (inches) | 2.52 inch |
| Height | 52 mm | Height (inches) | 2.047 inch |
| Width | 35.6 mm | Width (inches) | 1.402 inch |
| Net weight | 288 g | | |

Temperatures

| | | | |
|---------------------|-----------------------|-----------------------|-------------|
| Storage temperature | -40 °C...80 °C | Operating temperature | -40 °C...70 |
| Humidity | 5 - 95% rel. humidity | | |

General data

| | | | |
|--------------------------|---|---------------------------|-------------|
| Colour | orange | Design | Insta IP 20 |
| Optical function display | green = OK; red = arrester is defective - replace | Protection degree | IP20 |
| Segment | Power distribution | UL 94 flammability rating | V-0 |
| Version | Spare arrester | | |

Insulation coordination acc. to EN 50178

| | | | |
|--------------------|---|------------------------|----|
| Pollution severity | 2 | Surge voltage category | IV |
|--------------------|---|------------------------|----|

Rated data IEC / EN

| | | | |
|---|---|--|---|
| Discharge current I_{\max} (8/20 μ s) wire-PE | 100 kA | Discharge current I_n (8/20 μ s) wire-PE | 25 kA |
| Follow-on current extinguishing capability I_{fi} | Not available due for technical reasons | Frequency range, max. | 60 Hz |
| Frequency range, min. | 50 Hz | Fuse | No Fuse necessary ≤ 250 A gG, 250 A gL (if back up fuse > 250 A) |
| Leakage current at U_n | 30 μ A | Lightning test current I_{imp} (10/350 μ s) (L-PE) | 25 kA |
| Max. continuous voltage, U_c (AC) | 400 V | Number of poles | 1 |
| Protection level U_p at I_N (L/N-PE) | ≤ 1.9 kV | Rated voltage (AC) | 400 V |
| Requirements category acc. to IEC 61643-11 | Type I, Type II | Requirements class, acc. to EN 61643-11 | T1, T2 |
| Response time | ≤ 25 ns | Short-circuit current rating I_{SCCR} | 25 kA |
| Standards | IEC61643-11, EN61643-11 | Temporary surge voltage (over-voltage) - TOV | 620 V |
| Voltage type | AC | | |

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 | 27-17-90-90 |

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www.weidmueller.com**Technical data****Tender specification sheets**

| | | | |
|--------------------|---|---------------------|---|
| Long specification | Spare arrester for VPU I O 400 V LCF-series surge voltage arrester with 25 kA. The pluggable high-performance varistors made from V0 material can be replaced by trained personnel following a failure. Rated voltage: 400 V LCF Type: Weidmüller VPU I O LCF 400 V/25 kA Order No.: 1351790000 | Short specification | Spare arrester for surge voltage arrester VPU I O 400 V LCF series with 25 kA The pluggable high-performance varistors can be swapped by trained personnel following a failure. Rated voltage: 400 V LCF Type: Weidmüller VPU I O LCF 400 V/25 kA Order no.: 1351790000 |
|--------------------|---|---------------------|---|

Approvals

Approvals



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

Electric symbol



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www.weidmueller.com**Accessories****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): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118897098 | |
| Qty. | 1 pc(s). | |

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). | |