

**VPU ZPA I 3+1 300/7,5****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Lightning arresters for 40 mm rail systems

- Simple and safe to use and install
- Complete and permanent status control
- Leakage current free surge protection
- Application-specific application classes with 7.5 kA and 12.5 kA discharge current

**General ordering data**

|            |                                                                             |
|------------|-----------------------------------------------------------------------------|
| Version    | Surge voltage arrester, Low voltage, Leakage-current-free, TN-C-S, TN-S, TT |
| Order No.  | <a href="#">2674460000</a>                                                  |
| Type       | VPU ZPA I 3+1 300/7,5                                                       |
| GTIN (EAN) | 4050118686838                                                               |
| Qty.       | 1 pc(s).                                                                    |

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 99 mm  | Depth (inches)  | 3.898 inch |
| Height     | 229 mm | Height (inches) | 9.016 inch |
| Width      | 47 mm  | Width (inches)  | 1.85 inch  |
| Net weight | 100 g  |                 |            |

## Temperatures

|                     |                           |                       |                |
|---------------------|---------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...70 °C            | Operating temperature | -40 °C...70 °C |
| Humidity            | 5...95 %, no condensation |                       |                |

## General data

|                 |      |                   |                                     |
|-----------------|------|-------------------|-------------------------------------|
| Number of poles | 4    | Protection degree | IP30, in combination with the cover |
| Colour          | grey |                   |                                     |

## Rated data IEC / EN

|                                                           |                                              |                                                          |                                               |
|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------|-----------------------------------------------|
| Discharge current $I_{\max}$ (8/20 $\mu$ s) N-PE          | 100 kA                                       | Discharge current $I_{\max}$ (8/20 $\mu$ s) wire-PE      | 50 kA                                         |
| Discharge current $I_n$ (8/20 $\mu$ s) N-PE               | 80 kA                                        | Discharge current $I_n$ (8/20 $\mu$ s) wire-PE           | 20 kA                                         |
| Energy coordination ( $\leq 10$ m)                        | Type I, Type II, Type III                    | Follow-on current extinguishing capability $I_{fi}$      | Follow current need not be taken into account |
| Fuse                                                      | No Fuse necessary $\leq 315$ A gG            | Integrated back-up fuse                                  | No                                            |
| Leakage current at $U_n$                                  | 5 $\mu$ A                                    | Lightning test current $I_{imp}$ (10/350 $\mu$ s) (L-PE) | 7.5 kA                                        |
| Lightning test current, $I_{imp}$ (10/350 $\mu$ s) (N-PE) | 30 kA                                        | Low voltage network                                      | TN-C-S, TN-S, TT                              |
| Mains voltage                                             | 230 V / 400 V                                | Max. continuous voltage, $U_c$ (AC)                      | 300 V                                         |
| Max. continuous voltage, $U_c$ (N-PE)                     | 305 V                                        | Number of poles                                          | 4                                             |
| Protection level $U_p$ at $I_N$ (L/N-PE)                  | $\leq 1.5$ kV                                | Protection level $U_p$ at $I_N$ (N-PE)                   | $\leq 1.5$ kV                                 |
| Rated voltage (AC)                                        | 240 V                                        | Requirements category acc. to IEC 61643-11               | Type I, Type II                               |
| Requirements class, acc. to EN 61643-11                   | T1, T2                                       | Response time                                            | $\leq 100$ ns                                 |
| SPD type                                                  | T1, T2                                       | Short-circuit current rating $I_{SCCR}$                  | 25 kA                                         |
| Signalling contact                                        | No                                           | Standards                                                | IEC61643-11, EN61643-11                       |
| Suitable for                                              | Count-in installation (leakage current free) | Temporary surge voltage (over-voltage) - TOV             | 442 V                                         |
| Voltage type                                              | AC                                           |                                                          |                                               |

## Connection data

|                                                            |                    |                                                            |                    |
|------------------------------------------------------------|--------------------|------------------------------------------------------------|--------------------|
| Wire connection method                                     | Screw connection   | Type of connection                                         | Clamped            |
| Tightening torque, max.                                    | 4.5 Nm             | Clamping range, min.                                       | 16 mm <sup>2</sup> |
| Clamping range, max.                                       | 35 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 16 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 25 mm <sup>2</sup> | Connection cross-section, stranded, min.                   | 16 mm <sup>2</sup> |
| Connection cross-section, stranded, max.                   | 35 mm <sup>2</sup> |                                                            |                    |

## Electrical data

|              |    |
|--------------|----|
| Voltage type | AC |
|--------------|----|

Creation date May 11, 2025 9:58:55 PM CEST

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## Technical data

## Guarantee

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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000941    | ETIM 7.0    | EC000941    |
| ETIM 8.0    | EC000941    | ETIM 9.0    | EC000941    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-17-90-90 |
| ECLASS 15.0 | 27-17-90-90 |             |             |

## Environmental Product Compliance

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

## Important note

|                     |                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product information | Only applicable to IT power systems where the earth on the distribution transformer is interconnected with the earth on the consumer side (RE=RA in Figure 44.A1 of IEC 60634-4-44:2018). |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Approvals

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                 |

## Downloads

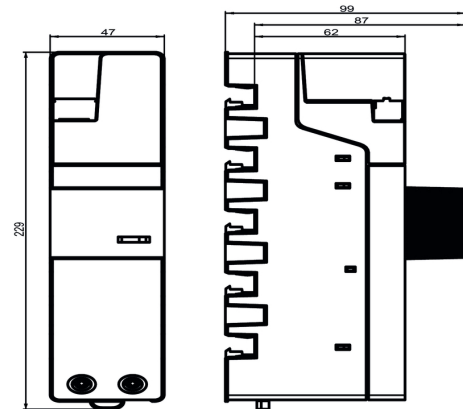
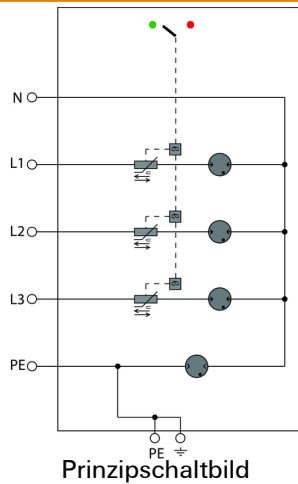
|                                             |                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>         |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                 |
| Tender specification                        | <a href="#">Ausschreibungstext DE</a><br><a href="#">Tenderspecification EN</a> |
| User Documentation                          | <a href="#">Manual</a>                                                          |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                        |

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# Drawings

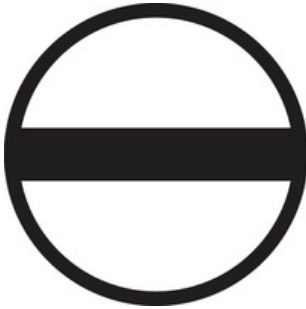


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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Slotted screwdriver**

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.  | <a href="#">2749850000</a> | 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.  | <a href="#">2749890000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118897098              |                                                                   |
| Qty.       | 1 pc(s).                   |                                                                   |