

**VPU AC II+III 4 275/20 S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**General ordering data**

|            |                                                   |
|------------|---------------------------------------------------|
| Version    | Surge voltage arrester, Low voltage, TN-C-S, TN-S |
| Order No.  | <a href="#">2907890000</a>                        |
| Type       | VPU AC II+III 4 275/20 S                          |
| GTIN (EAN) | 4099986189942                                     |
| Qty.       | 1 pc(s).                                          |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 70 mm   | Depth (inches)  | 2.756 inch |
| Height     | 97 mm   | Height (inches) | 3.819 inch |
| Width      | 36 mm   | Width (inches)  | 1.417 inch |
| Net weight | 265.5 g |                 |            |

## Temperatures

|                       |                |
|-----------------------|----------------|
| Operating temperature | -40 °C...85 °C |
|-----------------------|----------------|

## General data

|                 |      |                   |                         |
|-----------------|------|-------------------|-------------------------|
| Number of poles | 4    | Protection degree | IP20 in installed state |
| Colour          | grey |                   |                         |

## Insulation coordination acc. to EN 50178

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

## Rated data IEC / EN

|                                                    |                           |                                                   |                                   |
|----------------------------------------------------|---------------------------|---------------------------------------------------|-----------------------------------|
| Combined pulse $U_{OC}$                            | 6 kV                      | Discharge current (type III)                      | 3 kA                              |
| Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE | 20 kA                     | Discharge current $I_n$ (8/20 $\mu$ s) wire-PE    | 10 kA                             |
| Energy coordination ( $\leq 10$ m)                 | Type II, Type III         | Frequency range, max.                             | 60 Hz                             |
| Frequency range, min.                              | 50 Hz                     | Fuse                                              | No Fuse necessary $\leq 100$ A gG |
| Integrated back-up fuse                            | No                        | Low voltage network                               | TN-C-S, TN-S                      |
| Max. continuous voltage, $U_c$ (AC)                | 275 V                     | Number of poles                                   | 4                                 |
| Protection level $U_p$ at $I_N$ (L/N-PE)           | $\leq 1.25$ kV            | Protection level $U_p$ at $I_N$ (N-PE)            | $\leq 1.5$ kV                     |
| Rated voltage (AC)                                 | 230 V                     | Requirements category acc. to IEC 61643-11        | Type II, Type III                 |
| Requirements class, acc. to EN 61643-11            | T2, T3                    | Response time                                     | $\leq 25$ ns                      |
| Short-circuit current rating $I_{SCCR}$            | 25 kA                     | Signalling contact                                | No                                |
| Standards                                          | IEC 61643-11, EN 61643-11 | Temporary surge voltage (over-voltage) - TOV      | 335 V                             |
| Voltage type                                       | AC                        | Protection level $U_p$ at $I_N$ (L-PE) (type III) | $\leq 1$ kV                       |

## Connection data

|                                                      |                    |                                                       |                     |
|------------------------------------------------------|--------------------|-------------------------------------------------------|---------------------|
| Conductor connection cross-section PE, solid, max.   | 35 mm <sup>2</sup> | Conductor connection cross-section PE, stranded, max. | 35 mm <sup>2</sup>  |
| Stripping length                                     | 13 mm              | Wire connection method                                | Screw connection    |
| Type of connection                                   | Screw connection   | Stripping length, rated connection                    | 13 mm               |
| Tightening torque, min.                              | 1.2 Nm             | Tightening torque, max.                               | 2 Nm                |
| Clamping range, rated connection                     | 10 mm <sup>2</sup> | Clamping range, min.                                  | 2.5 mm <sup>2</sup> |
| Clamping range, max.                                 | 35 mm <sup>2</sup> | Wire cross-section, solid, min.                       | 2.5 mm <sup>2</sup> |
| Wire cross-section, solid, max.                      | 10 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.  | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max. | 6 mm <sup>2</sup>  | Connection cross-section, stranded, min.              | 2.5 mm <sup>2</sup> |
| Connection cross-section, stranded, max.             | 10 mm <sup>2</sup> |                                                       |                     |

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## Technical data

## Electrical data

Voltage type AC

## 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 For use in DC applications, please use the fuse of SIBA Type NH2XL aR/aSF DC 1500 V

## Approvals

Approvals

Approvals MAMID [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/)

ROHS Conform

## Downloads

Approval/Certificate/Document of Conformity [EU\\_Konformitätserklärung / EU\\_Declaration\\_of\\_Conformity](#)Engineering Data [STEP](#)  
[CAD data – STEP](#)Tender specification [Ausschreibungstext DE](#)User Documentation [Beipackzettel / Instruction Sheet](#)Catalogues [Catalogues in PDF-format](#)

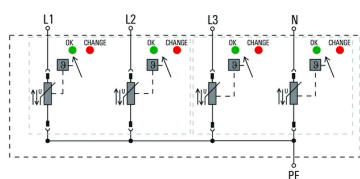
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# Drawings

## Electric symbol



## Schematic circuit diagram

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**Accessories****Spare arrester****General ordering data**

|            |                             |                                                               |
|------------|-----------------------------|---------------------------------------------------------------|
| Type       | VPU AC II+III 0 L-N 275 ... | Version                                                       |
| Order No.  | <a href="#">2908010000</a>  | Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT |
| GTIN (EAN) | 4099986190153               |                                                               |
| 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 PHO X 60              | Version                                                           |
| Order No.  | <a href="#">2749880000</a> | Screwdriver, Blade width (B): 0 mm, 60 mm, Blade thickness (A): 0 |
| GTIN (EAN) | 4050118897081              |                                                                   |
| Qty.       | 1 pc(s).                   |                                                                   |