

## VPU AC II+III 0 L-N 275/40 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, Spare arrester, TN-S, TT |
| Order No.  | <a href="#">2907800000</a>                                    |
| Type       | VPU AC II+III 0 L-N 275/40 S                                  |
| GTIN (EAN) | 4099986189676   |
| Qty.       | 1 items   |

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## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 54 mm   | Depth (inches)  | 2.126 inch  |
| Height     | 45.3 mm | Height (inches) | 1.7835 inch |
| Width      | 18 mm   | Width (inches)  | 0.7087 inch |
| Net weight | 75 g    |                 |             |

### Temperatures

|                       |                |                     |                       |
|-----------------------|----------------|---------------------|-----------------------|
| Storage temperature   |                | Ambient temperature | -40 °C...85 °C        |
| Operating temperature | -40 °C...85 °C | Humidity            | 5 - 95% rel. humidity |

### Environmental Product Compliance

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

### Connection data, remote alert

|                 |                  |
|-----------------|------------------|
| Connection type | Screw connection |
|-----------------|------------------|

### General data

|                           |   |               |  |
|---------------------------|---|---------------|--|
| Optical function display  | green = OK; red = arrester is defective - replace | Segment       | Power distribution                     |
| Version                   | Spare arrester                                    | Design        | Installation housing; 1TE, Insta IP 20 |
| UL 94 flammability rating | V-0   | Colour        | grey                                   |
| Protection degree         | IP20 in installed state                           | Mounting rail | TS 35                                  |
| Operating altitude        | ≤ 2000 m  |               |  |

### Insulation coordination acc. to EN 50178

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

### Rated data IEC / EN

|  |          |   |                             |
|--|----------|---|-----------------------------|
| Number of poles                              | 1        | Combined pulse UOC                                | 6 kV                        |
| Signalling contact                           | No       | Rated voltage (AC)                                | 230 V                       |
| Low voltage network                          | TN-S, TT | Voltage type                                      | AC                          |
| Temporary surge voltage (over-voltage) - TOV | 335 V    | Fuse protection                                   | No Fuse necessary ≤100 A gG |
| Response time / fallback time                | ≤ 25 ns  | Frequency range, max.                             | 60 Hz                       |
| Frequency range, min.                        | 50 Hz    | Standards   | IEC 61643-11, EN 61643-11   |
| Requirements class, acc. to EN 61643-11      | T2, T3   | Requirements category acc. to IEC 61643-11        | Type II, Type III           |
| Max. continuous voltage, U <sub>c</sub> (AC) | 275 V    | Discharge current I <sub>n</sub> (8/20μs) wire-PE | 20 kA                       |

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**Technical data**

|  |       |   |          |
|--|-------|---|----------|
| Discharge current I <sub>max</sub> (8/20µs) wire-PE40 kA |       | Protection level Up at IN (L/N-PE)          | ≤ 1.5 kV |
| Short-circuit current rating ISCCR                       | 25 kA | Discharge current (type III)                | 3 kA     |
| Integrated back-up fuse                                  | No    | Protection level Up at IN (L-PE) (type III) | ≤1 kV    |

**Connection data**

|  |                     |   |                    |
|--|---------------------|---|--------------------|
| Stripping length                                     | 13 mm               | Conductor connection cross-section PE, stranded, max. | 35 mm <sup>2</sup> |
| Conductor connection cross-section PE, solid, max.   | 35 mm <sup>2</sup>  | Wire connection method                                | Screw connection   |
| Type of connection                                   | Screw connection    | Stripping length, rated connection                    | 15 mm              |
| 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.  | 25 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> |

**Electrical data**

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

**General data**

|                 |      |                   |                         |
|-----------------|------|-------------------|-------------------------|
| Number of poles | 1    | Protection degree | IP20 in installed state |
| Colour          | grey |                   |                         |

**Guarantee**

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

**Important note**

|                     |   |
|---------------------|---|
| Product information | For use in DC applications, please use the fuse of SIBA Type NH2XL aR/aSF DC 1500 V |
|---------------------|---|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000941    | ETIM 9.0    | EC000941    |
| ETIM 10.0   | EC000941    | ECLASS 14.0 | 27-17-12-02 |
| ECLASS 15.0 | 27-17-12-02 |             |             |

**Electric symbol**

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Schematic circuit diagram

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## 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 PH0 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 ST                       |   |  |