

## VPU AC II+III 2 R 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, with remote contact, TN-S |
| Order No.  | <a href="#">2907680000</a>                                     |
| Type       | VPU AC II+III 2 R 275/40 S                                     |
| GTIN (EAN) | 4099986182370  |
| Qty.       | 1 items  |

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**Technical data**
**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 70 mm  | Depth (inches)  | 2.7559 inch |
| Height     | 105 mm | Height (inches) | 4.1338 inch |
| Width      | 18 mm  | Width (inches)  | 0.7087 inch |
| Net weight | 150 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**

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Cross-section for connected wire, solid core, min. | 0.2 mm <sup>2</sup> | Stripping length                                   | 5 mm                |
| Connection type                                    | Screw connection    | Cross-section for connected wire, solid core, max. | 1.5 mm <sup>2</sup> |
| Max. torque  | 0.4 Nm              |  |                     |

**General data**

|                           |   |               |  |
|---------------------------|---|---------------|--|
| Optical function display  | green = OK; red = arrester is defective - replace | Segment       | Power distribution                     |
| Version                   | with remote contact                               | 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                              | 2             | Combined pulse UOC    | 6 kV                        |
| Signalling contact                           | 250 V / 0,5 A | Rated voltage (AC)    | 230 V                       |
| Low voltage network                          | TN-S          | 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   |

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### Technical data

|  |        |  |                   |
|--|--------|--|-------------------|
| Requirements class, acc. to EN 61643-11            | T2, T3 | Requirements category acc. to IEC 61643-11     | Type II, Type III |
| Max. continuous voltage, $U_c$ (AC)                | 275 V  | Discharge current $I_n$ (8/20 $\mu$ s) wire-PE | 20 kA             |
| Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE | 40 kA  | Protection level $U_p$ at IN (L/N-PE)          | $\leq 1.5$ kV     |
| Short-circuit current rating ISCCR                 | 25 kA  | Discharge current (type III)                   | 3 kA              |
| Integrated back-up fuse                            | No     | Protection level $U_p$ at IN (L-PE) (type III) | $\leq 1$ kV       |

### Connection data

|  |                    |   |                     |
|--|--------------------|---|---------------------|
| Stripping length                                     | 15 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               |
| Tightening torque, max.                              | 1.2 Nm             | 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. | 35 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 | 2    | 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                       |   |  |

### Spare arrester



#### General ordering data

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