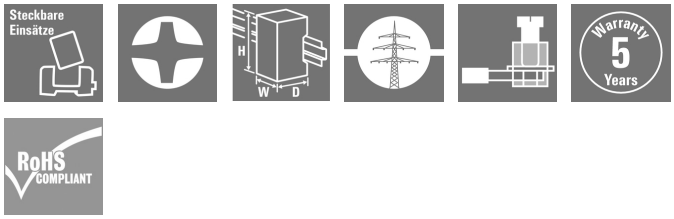
# VPU AC II+III 0 L3-PEN 275/40 S

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com




## General ordering data

| | |
|---|---|
| Version | Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT |
| Order No. | 2907820000 |
| Type | VPU AC II+III 0 L3-PEN 275/40 S |
| GTIN (EAN) | 4099986189690 |
| Qty. | 1 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 54 mm | Depth (inches) | 2.126 inch |
| Height | 45.3 mm | Height (inches) | 1.783 inch |
| Width | 18 mm | Width (inches) | 0.709 inch |
| Net weight | 56 g | | |

### Temperatures

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

### Connection data, remote alert

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

### General data

| | | | |
|---|---|---|---|
| Number of poles | 1 | 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 $I_{max}$ (8/20µs) wire-PE | 40 kA | Discharge current $I_n$ (8/20µs) wire-PE | 20 kA |
| Frequency range, max. | 60 Hz | Frequency range, min. | 50 Hz |
| Fuse | No Fuse neccessary ≤100 A gG | Integrated back-up fuse | No |
| Low voltage network | TN-S, TT | Max. continuous voltage, Uc (AC) | 275 V |
| Number of poles | 1 | Protection level $U_p$ at $I_N$ (L/N-PE) | ≤ 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 | ≤ 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) | ≤1 kV |

### Connection data

| | | | |
|---|---|---|---|
| Conductor connection cross-section PE, solid, max. | 35 mm² | Conductor connection cross-section PE, stranded, max. | 35 mm² |
| Wire connection method | Screw connection | Type of connection | Screw connection |
| Stripping length, rated connection | 15 mm | Wire cross-section, solid, min. | 2.5 mm² |
| Wire cross-section, solid, max. | 10 mm² | Wire connection cross section, finely stranded, min. | 2.5 mm² |
| Wire connection cross section, finely stranded, max. | 6 mm² | Connection cross-section, stranded, min. | 2.5 mm² |
| Connection cross-section, stranded, max. | 10 mm² | | |

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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 | CE |
| Approvals MAMID | https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ |
| 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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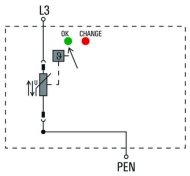
## Drawings

### Electric symbol




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. | 2749880000 | Screwdriver, Blade width (B): 0 mm, 60 mm, Blade thickness (A): 0 |
| GTIN (EAN) | 4050118897081 | |
| Qty. | 1 pc(s). | |