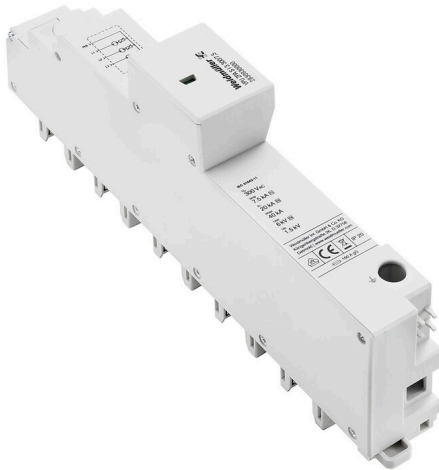


VPU ZPA S I 3 300/7,5

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

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 |
| Order No. | 2830930000 |
| Type | VPU ZPA S I 3 300/7,5 |
| GTIN (EAN) | 4064675390138 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 102 mm | Depth (inches) | 4.0157 inch |
| Height | 236 mm | Height (inches) | 9.2913 inch |
| Width | 36 mm | Width (inches) | 1.4173 inch |
| Net weight | 613 g | | |

Temperatures

| | | | |
|-----------------------|----------------|---------------------|-----------------------|
| Storage temperature | -40 °C...85 °C | Ambient temperature | ...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 | PUSH IN |
|-----------------|---------|

General data

| | | | |
|--------------------------|---|--------------------|--------------------|
| Optical function display | green = OK; red = arrester is defective - replace | Segment | Power distribution |
| Version | Leakage-current-free | Colour | grey |
| Protection degree | IP20 | Mounting rail | Busbar |
| auxiliary contact | No | Operating altitude | ≤ 4000 m |

Rated data IEC / EN

| | | | |
|---|---------------|--|------------------------------|
| Number of poles | 3 | Combined pulse UOC | 6 kV |
| Leakage current at Un | 20 µA | Rated voltage (AC) | 240 V |
| Voltage type | AC | Fuse protection | No Fuse necessary ≤ 160 A gG |
| Response time / fallback time | ≤ 100 ns | Frequency range, max. | 60 Hz |
| Frequency range, min. | 50 Hz | Lightning test current limp (10/350 µs) (L-PE) | 7.5 kA |
| Requirements class, acc. to EN 61643-11 | T1, T2, T3 | Requirements category acc. to IEC 61643-11 | Type I, Type II, Type III |
| Mains voltage | 230 V / 400 V | Energy coordination (≤ 10 m) | Type I, Type II, Type III |
| SPD type | T1, T2, T3 | Protection level Up at IN (L/N-PE) | ≤ 1.5 kV |
| Short-circuit current rating ISCCR | 25 kA | Integrated back-up fuse | No |
| PE conductor current IPE | 20 µA | | |

Connection data

| | | | |
|--------------------|------------------|-------------------------|------------------|
| Stripping length | 18 mm | Wire connection method | Screw connection |
| Type of connection | Screw connection | Tightening torque, max. | 4.5 Nm |

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Technical data

| | | | |
|---|--------------------|--|--------------------|
| Clamping range, rated connection | 16 mm ² | Clamping range, min. | 4 mm ² |
| Clamping range, max. | 35 mm ² | Wire cross-section, solid, min. | 16 mm ² |
| Wire cross-section, solid, max. | 35 mm ² | Wire connection cross section, finely stranded, max. | 25 mm ² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 16 mm ² | Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 25 mm ² |
| Connection cross-section, stranded, min. 16 mm ² | | Connection cross-section, stranded, max. | 35 mm ² |

Electrical data

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

General data

| | | | |
|-----------------|------|-------------------|------|
| Number of poles | 3 | Protection degree | IP20 |
| Colour | grey | | |

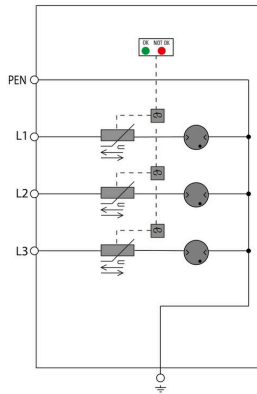
Guarantee

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001457 | ETIM 9.0 | EC001457 |
| ETIM 10.0 | EC001457 | ECLASS 14.0 | 27-17-12-04 |
| ECLASS 15.0 | 27-17-12-04 | | |

Electric symbol



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 PH1 X 80 | Version | |
| Order No. | 2749890000 | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 | |
| GTIN (EAN) | 4050118897098 | | |
| Qty. | 1 ST | | |

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. | 2749850000 | Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade thickness (A): 1 mm | |
| GTIN (EAN) | 4050118897050 | | |
| Qty. | 1 ST | | |

Accessories



General ordering data

| | | | |
|------------|----------------------------|---------|--|
| Type | V-ZPA TERMINAL | Version | |
| Order No. | 2904470000 | | |
| GTIN (EAN) | 4099986010352 | | |
| Qty. | 1 ST | | |

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Accessories

| | | |
|------------|----------------------------|---------|
| Type | V-ZPA FUSE HOLDER E | Version |
| Order No. | 3038720000 | |
| GTIN (EAN) | 4099987006422 | |
| Qty. | 1 ST | |