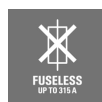


VPU AC I O 480/10**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

In the event of a defective arrester, you can easily reorder this spare arrester, replace the defective arrester and thus restore protection.

General ordering data

| | |
|------------|---|
| Version | Spare arrester, Surge protection, $U_p(L/N-PE) \leq 2.1$ kV |
| Order No. | 2591500000 |
| Type | VPU AC I O 480/10 |
| GTIN (EAN) | 4050118599442 |
| Qty. | 1 pc(s). |

VPU AC I 0 480/10

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 80 mm | Depth (inches) | 3.15 inch |
| Height | 45 mm | Height (inches) | 1.772 inch |
| Width | 18 mm | Width (inches) | 0.709 inch |
| Net weight | 135 g | | |

Temperatures

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

Probability of failure

| | |
|------|------|
| MTBF | 15 a |
|------|------|

Rated data UL

| | | | |
|---------------------|--------------|-------------------------|---------|
| Rated Voltage U_N | 400 V | MCOV (L/N-PE) | 300 V |
| SCCR | 200 kA | I_n | 20 kA |
| Category | SPD TYPE 1CA | Certificate No. (cURus) | E354261 |
| MODE | L-N, L-G | VPR (L-N) | 1,500 V |
| VPR (L-PE) | 1,500 V | Voltage type | AC |

General data

| | | | |
|---------------------------|-------------------------|--------------------------|---|
| Colour | orange | Design | Installation housing; 1TE |
| Operating altitude | ≤ 2000 m | Optical function display | green = OK; red = arrester is defective - replace |
| Protection degree | IP20 in installed state | Segment | Power distribution |
| UL 94 flammability rating | V-0 | Version | Surge protection |

Rated data IEC / EN

| | | | |
|--|---------------------------|--|--|
| Discharge current I_{max} (8/20 μ s) wire-PE | 50 kA | Discharge current I_n (8/20 μ s) wire-PE | 20 kA |
| Energy coordination (≤ 10 m) | Type I, Type II, Type III | Frequency range, max. | 60 Hz |
| Frequency range, min. | 50 Hz | Fuse | No Fuse necessary ≤ 315 A gG, 250 A gG @50 kA I_{sc} , 315 A gG @25 kA I_{sc} |
| Leakage current at U_n | 0.6 mA | Lightning test current I_{imp} (10/350 μ s) (L-PE) | 10 kA |
| Max. continuous voltage, U_c (AC) | 480 V | Number of poles | 1 |
| Protection level U_p (typ.) | ≤ 2.1 kV | Rated voltage (AC) | 400 V |
| Requirements category acc. to IEC 61643-11 | Type I, Type II | Requirements class, acc. to EN 61643-11 | T1, T2 |
| Response time | ≤ 25 ns | Standards | IEC61643-11, EN61643-11, UL 1449 |
| Voltage type | AC | | |

Connection data

| | | | |
|--|---------------------|---------------------------------|---------------------|
| Type of connection | Plug-in connection | Wire cross-section, solid, min. | 1.5 mm ² |
| Wire connection cross section, finely stranded, min. | 1.5 mm ² | | |

VPU AC I 0 480/10**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Guarantee**

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000941 | ETIM 7.0 | EC000941 |
| ETIM 8.0 | EC000941 | ETIM 9.0 | 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 | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E354261 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU_Konformitätserklärung / EU_Declaration_of_Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Beipackzettel / Instruction sheet |
| Catalogues | Catalogues in PDF-format |

VPU AC I O 480/10

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Drawings

Electric symbol



VPU AC I 0 480/10**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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 pc(s). | |

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 |
| GTIN (EAN) | 4050118897050 | thickness (A): 1 mm |
| Qty. | 1 pc(s). | |