

VPU AC I O 300/12.5**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, $U_p(L/N-PE) \leq 1.5$ kV |
| Order No. | 2591370000 |
| Type | VPU AC I O 300/12.5 |
| GTIN (EAN) | 4050118599565 |
| Qty. | 1 pc(s). |

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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 | 112 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 | 240 V | MCOV (L/N-PE) | 300 V |
| SCCR | 150 kA | I_n | 20 kA |
| Category | SPD TYPE 1CA | Certificate No. (cURus) | E354261 |
| MODE | L-N, L-G | VPR (L-N) | 900 V |
| VPR (L-PE) | 900 V | Voltage type | AC |

General data

| | | | |
|--------------------------|---------------------------------------------------|---------------------------|-------------------------|
| Colour | orange | Operating altitude | ≤ 4000 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} (8/20μs) wire-PE | 50 kA | Discharge current I_n (8/20μs) 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} cr, 315 A gG @25 kA I _{sc} cr |
| Leakage current at U_n | 0.6 mA | Lightning test current I_{imp} (10/350 μs) (L-PE) | 12.5 kA |
| Mains voltage | 240 V | Max. continuous voltage, U_c (AC) | 300 V |
| Number of poles | 1 | Protection level U_p (typ.) | ≤ 1.5 kV |
| Rated voltage (AC) | 230 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 |
|--------------------|--------------------|

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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 |

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 |

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Drawings

Electric symbol



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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). | |