

VPU AC II+III 0 L/N-PE 440/20 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. | 2908550000 |
| Type | VPU AC II+III 0 L/N-PE 440/20 S |
| GTIN (EAN) | 4099986190979 |
| 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 | 75.5 g | | |

Temperatures

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

Connection data, remote alert

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

General data

| | | | |
|--------------------|-------------------------|---------------------------|---------------------------------------------------|
| Colour | grey | Design | Installation housing; 1TE, Insta IP 20 |
| Operating altitude | ≤ 2000 m | Optical function display | green = OK; red = arrester is defective - replace |
| Protection degree | IP20 in installed state | Rail | TS 35 |
| Segment | Power distribution | UL 94 flammability rating | V-0 |
| Version | Spare arrester | | |

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 | 20 kA | Discharge current I_n (8/20μs) wire-PE | 10 kA |
| Frequency range, max. | 60 Hz | Frequency range, min. | 50 Hz |
| Fuse | No Fuse necessary ≤ 100 A gG | Low voltage network | TN-S, TT |
| Max. continuous voltage, U_c (AC) | 440 V | Number of poles | 1 |
| Protection level U_p at I_N (L/N-PE) | ≤ 1.7 kV, ≤ 1.4 kV | Protection level U_p at I_N (N-PE) | ≤ 1.5 kV |
| Protection level up at in (L-PE) (type III) | ≤ 1 kV | Rated voltage (AC) | 230 V |
| Requirements category acc. to IEC 61643-11 | Type II/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 | 440 V | Voltage type | AC |

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Connection data

| | | | |
|------------------------------------------------------|--------------------|-------------------------------------------------------|---------------------|
| Conductor connection cross-section PE, solid, max. | 35 mm ² | Conductor connection cross-section PE, stranded, max. | 35 mm ² |
| Wire connection method | Screw connection | Type of connection | Screw connection |
| Stripping length, rated connection | 15 mm | Wire cross-section, solid, min. | 2.5 mm ² |
| Wire cross-section, solid, max. | 10 mm ² | Wire connection cross section, finely stranded, min. | 2.5 mm ² |
| Wire connection cross section, finely stranded, max. | 6 mm ² | Connection cross-section, stranded, min. | 2.5 mm ² |
| Connection cross-section, stranded, max. | 10 mm ² | | |

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 |

Important note

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|---------------------|-------------------------------------------------------------------------------------|
| Product information | For use in DC applications, please use the fuse of SIBA Type NH2XL aR/aSF DC 1500 V |
|---------------------|-------------------------------------------------------------------------------------|

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | EU_Konformitätserklärung / EU_Declaration_of_Conformity |
| Tender specification | Ausschreibungstext DE |
| User Documentation | Beipackzettel / Instruction Sheet |
| Catalogues | Catalogues in PDF-format |

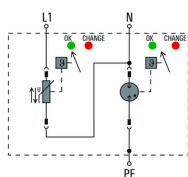
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Drawings

Electric symbol



Schematic circuit diagram

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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 PHO 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). | |