

VPU AC II+III 3 R 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, with remote contact, TN-C |
| Order No. | 2908470000 |
| Type | VPU AC II+III 3 R 440/20 S |
| GTIN (EAN) | 4099986190672 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 70 mm | Depth (inches) | 2.756 inch |
| Height | 99 mm | Height (inches) | 3.898 inch |
| Width | 36 mm | Width (inches) | 1.417 inch |
| Net weight | 268 g | | |

Temperatures

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

Connection data, remote alert

| | | | |
|----------------------------------------------------|---------------------|----------------------------------------------------|---------------------|
| Connection type | Screw connection | Cross-section for connected wire, solid core, max. | 1.5 mm ² |
| Cross-section for connected wire, solid core, min. | 0.2 mm ² | Max. torque | 0.4 Nm |
| Stripping length | 5 mm | | |

General data

| | | | |
|-----------------|------|-------------------|-------------------------|
| Number of poles | 3 | 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 | 20 kA | Discharge current I_n (8/20µs) wire-PE | 10 kA |
| Energy coordination (≤ 10 m) | Type II, Type III | Frequency range, max. | 60 Hz |
| Frequency range, min. | 50 Hz | Fuse | No Fuse necessary ≤ 100 A gG |
| Low voltage network | TN-C | Max. continuous voltage, U_c (AC) | 440 V |
| Number of poles | 3 | Protection level U_p at I_N (L/N-PE) | ≤ 1.7 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 | 250 V / 0,5 A |
| Standards | IEC 61643-11, EN 61643-11 | Temporary surge voltage (over-voltage) - TOV | 440 V |
| Voltage type | AC | Protection level U_p at I_N (L-PE) (type III) | ≤ 1 kV |

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Connection data

| | |
|------------------------------------------------------|--------------------|
| Conductor connection cross-section PE, solid, max. | 35 mm ² |
| Stripping length | 13 mm |
| Type of connection | Screw connection |
| Tightening torque, min. | 1.2 Nm |
| Clamping range, rated connection | 10 mm ² |
| Clamping range, max. | 35 mm ² |
| Wire cross-section, solid, max. | 10 mm ² |
| Wire connection cross section, finely stranded, max. | 6 mm ² |
| Connection cross-section, stranded, max. | 10 mm ² |

| | |
|-------------------------------------------------------|---------------------|
| Conductor connection cross-section PE, stranded, max. | 35 mm ² |
| Wire connection method | Screw connection |
| Stripping length, rated connection | 13 mm |
| Tightening torque, max. | 2 Nm |
| Clamping range, min. | 2.5 mm ² |
| Wire cross-section, solid, min. | 2.5 mm ² |
| Wire connection cross section, finely stranded, min. | 2.5 mm ² |
| Connection cross-section, stranded, min. | 2.5 mm ² |

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 |
| 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

| | |
|------------------------|-----------------------------|
| 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



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

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Technical data

Downloads

Approval/Certificate/Document of Conformity

[EU_Konformitätserklärung / EU_Declaration_of_Conformity](#)

Engineering Data

[STEP](#)

Tender specification

[Ausschreibungstext DE](#)

User Documentation

[Beipackzettel / Instruction Sheet](#)

Catalogues

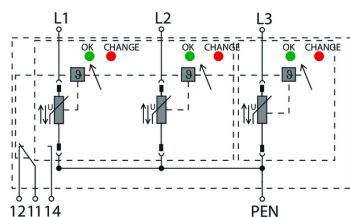
[Catalogues in PDF-format](#)

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Drawings



Schematic circuit diagram

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Accessories

Spare arrester



General ordering data

| Type | VPU AC II+III 0 L3-PEN ... | Version |
|------------|-----------------------------|---------------------------------------------------------------|
| Order No. | 2908560000 | Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT |
| GTIN (EAN) | 4099986190986 | |
| Qty. | 1 pc(s). | |
| Type | VPU AC II+III 0 L-N 440 ... | Version |
| Order No. | 2908540000 | Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT |
| GTIN (EAN) | 4099986190955 | |
| Qty. | 1 pc(s). | |

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). | |