

**VPU AC I O N-PE 305/100 S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Abb.ähnlich

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, Leakage-current-free, Surge protection, TT nur für N-PE, TN, $U_p(L/N-PE) \leq 1.5 \text{ kV}$ |
| Order No.  | <a href="#">2730850000</a>   |
| Type       | VPU AC I O N-PE 305/100 S  |
| GTIN (EAN) | 4050118808018  |
| 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 | 107 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 |
|------|------|

## General data

|                    |  |                           |   |
|--------------------|--|---------------------------|---|
| Colour             | blue                                   | Design                    | Installation housing; 1TE                         |
| Operating altitude | ≤ 4000 m                               | Optical function display  | green = OK; red = arrester is defective - replace |
| Protection degree  | IP20 in installed state                | UL 94 flammability rating | V-0   |
| Version            | Leakage-current-free, Surge protection |                           |   |

## Rated data IEC / EN

|   |              |  |                                  |
|---|--------------|--|----------------------------------|
| Discharge current $I_{\max}$ (8/20μs) N-PE                  | 150 kA       | Discharge current $I_n$ (8/20μs) N-PE      | 100 kA                           |
| Discharge current $I_n$ (8/20μs) wire-PE                    | 25 kA        | Energy coordination (≤10 m)                | Type I, Type II, Type III        |
| Frequency range, max.                                       | 60 Hz        | Frequency range, min.                      | 50 Hz                            |
| Fuse  | Not required | Leakage current at $U_n$                   | 1 μA                             |
| Lightning test current, $I_{\text{imp}}$ (10/350 μs) (N-PE) | 100 kA       | Low voltage network                        | TT nur für N-PE, TN              |
| Mains voltage   | 240 V        | Max. continuous voltage, $U_c$ (N-PE)      | 305 V                            |
| Number of poles   | 1            | Protection level $U_p$ (typ.)              | ≤ 1.5 kV                         |
| Rated voltage (AC)  | 305 V        | Requirements category acc. to IEC 61643-11 | Type I, Type II                  |
| Requirements class, acc. to EN 61643-11                     | T1, T2       | Response time                              | <100 ns                          |
| Short-circuit current rating $I_{\text{SCCR}}$              | 0.1 kA       | Standards                                  | IEC61643-11, EN61643-11, UL 1449 |
| Temporary surge voltage (over-voltage) - TOV                | 1,200 V      | Voltage type                               | AC                               |

## Connection data

|                        |                    |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

## Guarantee

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

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

**Environmental Product Compliance**

REACH SVHC

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**Important note**

Product information

Only applicable to IT power systems where the earth on the distribution transformer is interconnected with the earth on the consumer side (RE=RA in Figure 44.A1 of IEC 60634-4-44:2018).

**Approvals**

Approvals



ROHS

Conform

**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](#)

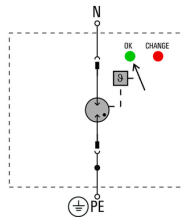
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## Drawings

### Electric symbol



### Schematic circuit diagram

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## Accessories

## 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.  | <a href="#">2749850000</a> | Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade |
| GTIN (EAN) | 4050118897050              | thickness (A): 1 mm   |
| 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 PH1 X 80              | Version   |
| Order No.  | <a href="#">2749890000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118897098              |   |
| Qty.       | 1 pc(s).                   |   |