

**VPU AC I O N-PE 305/50 LH****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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    | Surge protection           |
| Order No.  | <a href="#">2983630000</a> |
| Type       | VPU AC I O N-PE 305/50 LH  |
| GTIN (EAN) | 4099986839755              |
| Qty.       | 1 pc(s).                   |

## VPU AC I O N-PE 305/50 LH

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 64 mm  | Depth (inches)  | 2.52 inch  |
| Height     | 45 mm  | Height (inches) | 1.772 inch |
| Width      | 18 mm  | Width (inches)  | 0.709 inch |
| Net weight | 50.8 g |                 |            |

## Temperatures

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

## Probability of failure

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

## Rated data UL

|                         |              |
|-------------------------|--------------|
| Certificate No. (cURus) | E35426 10000 |
|-------------------------|--------------|

## General data

|                 |                     |                   |                         |
|-----------------|---------------------|-------------------|-------------------------|
| Number of poles | 1                   | Protection degree | IP20 in installed state |
| Colour          | orange, black, blue |                   |                         |

## Insulation coordination acc. to EN 50178

|                    |   |                        |    |
|--------------------|---|------------------------|----|
| Pollution severity | 2 | Surge voltage category | IV |
|--------------------|---|------------------------|----|

## Rated data IEC / EN

|                                             |                         |                                                  |                           |
|---------------------------------------------|-------------------------|--------------------------------------------------|---------------------------|
| Acoustic signal                             | No                      | Discharge current $I_{\max}$ (8/20 $\mu$ s) N-PE | 100 kA                    |
| Discharge current $I_n$ (8/20 $\mu$ s) N-PE | 50 kA                   | Energy coordination ( $\leq 10$ m)               | Type I, Type II, Type III |
| Frequency range, max.                       | 60 Hz                   | Frequency range, min.                            | 50 Hz                     |
| Fuse                                        | Not required            | Integrated back-up fuse                          | No                        |
| Mains voltage                               | 230 V / 400 V           | Max. continuous voltage, $U_c$ (AC)              | 300 V                     |
| Number of poles                             | 1                       | Protection level $U_p$ at $I_N$ (N-PE)           | $\leq 1500$ V             |
| Protection level, $U_p$ wire - PE           | 1,500 V                 | Protection level, $U_p$ wire - wire              | 1,500 V                   |
| Rated voltage (AC)                          | 240 V                   | Requirements category acc. to IEC 61643-11       | Type I, Type II           |
| Requirements class, acc. to EN 61643-11     | T1, T2                  | Short-circuit current rating $I_{SCCR}$          | 50 kA                     |
| Standards                                   | IEC61643-11, EN61643-11 | Temporary surge voltage (over-voltage) - TOV     | 442 V                     |
| Voltage type                                | AC                      |                                                  |                           |

## Connection data

|                    |                    |                                 |                    |
|--------------------|--------------------|---------------------------------|--------------------|
| Type of connection | Plug-in connection | Wire cross-section, solid, max. | 35 mm <sup>2</sup> |
|--------------------|--------------------|---------------------------------|--------------------|

## Electrical data

|              |    |
|--------------|----|
| Voltage type | AC |
|--------------|----|

## VPU AC I O N-PE 305/50 LH

Weidmüller Interface GmbH &amp; 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    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 27-17-90-90 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319263/-T1z1mm-S800/</a> |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                         |             |
|-------------------------|-------------|
| ROHS                    | Conform     |
| UL File Number Search   | UL Website  |
| Certificate No. (cULus) | E3542610000 |

## Downloads

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU_Konformitätserklärung / EU_Declaration_of_Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                         |
| User Documentation                          | <a href="#">Beipackzettel / Instruction sheet</a>                       |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |