

**VPU II 0 280V/40KA****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Spare arrester Type II**

Weidmüller VPU II surge protection products protect low-voltage consumer installations and electronic devices against overvoltages that can occur as a result of atmospheric discharges (thunderstorms) or switching operations (transients). The VPU II series meets the Type II and Type III requirements acc. to IEC 61643-11:2012 and Type 2 and Type 3 requirements acc. to EN 61643-11:2012. The spare arresters are coded and can only be inserted into suitable bases.

**General ordering data**

|            |                                                                  |
|------------|------------------------------------------------------------------|
| Version    | Surge voltage arrester, Low voltage, Accessories, Spare arrester |
| Order No.  | <a href="#">1352570000</a>                                       |
| Type       | VPU II 0 280V/40KA                                               |
| GTIN (EAN) | 4050118157772                                                    |
| Qty.       | 1 pc(s).                                                         |

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 64 mm      | Depth (inches)  | 2.52 inch  |
| Height         | 52 mm      | Height (inches) | 2.047 inch |
| Net weight     | 86 g       | Width           | 17.8 mm    |
| Width (inches) | 0.701 inch |                 |            |

## Temperatures

|                     |                       |                       |                |
|---------------------|-----------------------|-----------------------|----------------|
| Storage temperature | -40 °C...80 °C        | Operating temperature | -40 °C...70 °C |
| Humidity            | 5 - 95% rel. humidity |                       |                |

## General data

|                           |                                                   |                   |                                        |
|---------------------------|---------------------------------------------------|-------------------|----------------------------------------|
| Colour                    | orange                                            | Design            | Installation housing; 1TE, Insta IP 20 |
| Optical function display  | green = OK; red = arrester is defective - replace | Protection degree | IP20                                   |
| 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 $U_{OC}$                        | 10 kV      | Discharge current $I_{max}$ (8/20 $\mu$ s) wire-PE | 40 kA                                                                   |
| Discharge current $I_n$ (8/20 $\mu$ s) wire-PE | 20 kA      | Frequency range, max.                              | 60 Hz                                                                   |
| Frequency range, min.                          | 50 Hz      | Fuse                                               | 125 A gL > (if back up fuse > 125 A), No Fuse necessary $\leq$ 125 A gG |
| Leakage current at $U_n$                       | 30 $\mu$ A | Max. continuous voltage, $U_c$ (AC)                | 280 V                                                                   |
| Number of poles                                | 1          | Protection level $U_p$ at $I_n$ (L/N-PE)           | $\leq$ 1.55 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                                      | $\leq$ 25 ns                                                            |
| Short-circuit current rating $I_{SCCR}$        | 25 kA      | Standards                                          | IEC61643-11, EN61643-11                                                 |
| Temporary surge voltage (over-voltage) - TOV   | 438 V      | Voltage type                                       | AC                                                                      |

## Connection data

|                    |           |
|--------------------|-----------|
| Type of connection | pluggable |
|--------------------|-----------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000941    | ETIM 7.0    | 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 |

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## Technical data

## Tender specification sheets

| Long specification                                                                                                                                                                                                                                                            | Short specification                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spare arrester consisting of V0 material for surge voltage arrester VPU II 280 V series The pluggable high-performance varistors can be exchanged by trained personnel following a failure. Rated voltage: 280 V Type: Weidmüller VPU II 0 280 V/40 kA Order No.: 13525750000 | Spare arrester for surge voltage arrester VPU II 280 V series The pluggable high-performance varistors can be swapped by trained personnel following a failure. Rated voltage: 280 V Type: Weidmüller VPU II 0 280 V/40 kA Order no.: 13525750000 |

## Approvals

Approvals



ROHS

Conform

## Downloads

|                                             |                                                                                                         |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC VPU SERIES</a><br><a href="#">CE PAPER</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                            |
| User Documentation                          | <a href="#">Instruction sheet</a>                                                                       |

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# Drawings

## Electric symbol

