

VPU AC II+III 3 R 275/40 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.	2907710000
Type	VPU AC II+III 3 R 275/40 S
GTIN (EAN)	4099986182394
Qty.	1 pc(s).

VPU AC II+III 3 R 275/40 S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	249 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	2	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	40 kA	Discharge current I _n (8/20µs) wire-PE	20 kA
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	No Fuse necessary ≤100 A gG	Integrated back-up fuse	No
Low voltage network	TN-C	Max. continuous voltage, U _c (AC)	275 V
Number of poles	2	Protection level U _p at I _N (L/N-PE)	≤ 1.5 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	335 V
Voltage type	AC	Protection level U _p at I _N (L-PE) (type III)	≤ 1 kV

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	Tightening torque, max.	1.2 Nm
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

Creation date May 11, 2025 10:33:25 PM CEST

VPU AC II+III 3 R 275/40 S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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
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%
------------	-----------------------

Important note

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

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/
-----------------	---

ROHS	Conform
------	---------

Downloads

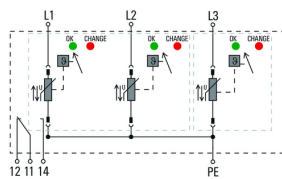
Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
Engineering Data	CAD data – STEP
User Documentation	Beipackzettel / Instruction Sheet
Catalogues	Catalogues in PDF-format

VPU AC II+III 3 R 275/40 S

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings



VPU AC II+III 3 R 275/40 S

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

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).	

Spare arrester**General ordering data**

Type	VPU AC II+III O L3-PEN ...	Version
Order No.	2907820000	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT
GTIN (EAN)	4099986189690	
Qty.	1 pc(s).	
Type	VPU AC II+III O L-N 275 ...	Version
Order No.	2907800000	Surge voltage arrester, Low voltage, Spare arrester, TN-S, TT
GTIN (EAN)	4099986189676	
Qty.	1 pc(s).	