

VPU AC II+III 0 L3-PEN 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, Spare arrester, TN-S, TT
Order No.	2908560000
Type	VPU AC II+III 0 L3-PEN 440/20 S
GTIN (EAN)	4099986190986
Qty.	1 pc(s).

VPU AC II+III 0 L3-PEN 440/20 S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	54 mm	Depth (inches)	2.126 inch
Height	45.3 mm	Height (inches)	1.783 inch
Width	18 mm	Width (inches)	0.709 inch
Net weight	61.5 g		

Temperatures

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

Connection data, remote alert

Connection type	Screw connection
-----------------	------------------

General data

Colour	grey	Design	Installation housing; 1TE, Insta IP 20
Operating altitude	≤ 2000 m	Optical function display	green = OK; red = arrester is defective - replace
Protection degree	IP20 in installed state	Rail	TS 35
Segment	Power distribution	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}	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
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Fuse	No Fuse necessary ≤100 A gG	Low voltage network	TN-S, TT
Max. continuous voltage, U_c (AC)	440 V	Number of poles	1
Protection level U_p at I_N (L/N-PE)	≤ 1.7 kV, ≤ 1.4 kV	Protection level U_p at I_N (N-PE)	≤ 1.5 kV
Protection level U_p at I_N (N-PE) (type III)	≤ 1 kV	Rated voltage (AC)	230 V
Requirements category acc. to IEC 61643-11	Type II/III	Requirements class, acc. to EN 61643-11	T2, T3
Response time	≤ 25 ns	Short-circuit current rating I_{SCCR}	25 kA
Signalling contact	No	Standards	IEC 61643-11, EN 61643-11
Temporary surge voltage (over-voltage) - TOV	440 V	Voltage type	AC

VPU AC II+III 0 L3-PEN 440/20 S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Connection data

Conductor connection cross-section PE, solid, max.	35 mm ²
--	--------------------

Wire connection method	Screw connection
------------------------	------------------

Stripping length, rated connection	15 mm
------------------------------------	-------

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
---	--------------------

Type of connection	Screw connection
--------------------	------------------

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
--	---------------------

Guarantee

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

Classifications

ETIM 6.0	EC000941
----------	----------

ETIM 8.0	EC000941
----------	----------

ECLASS 9.0	27-13-08-05
------------	-------------

ECLASS 10.0	27-13-08-05
-------------	-------------

ECLASS 12.0	27-17-90-90
-------------	-------------

ETIM 7.0	EC000941
----------	----------

ETIM 9.0	EC000941
----------	----------

ECLASS 9.1	27-13-08-05
------------	-------------

ECLASS 11.0	27-13-08-05
-------------	-------------

ECLASS 13.0	27-17-90-90
-------------	-------------

Important note

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

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	EU_Konformitätserklärung / EU_Declaration_of_Conformity
---	---

Tender specification	Ausschreibungstext DE
----------------------	---------------------------------------

User Documentation	Beipackzettel / Instruction Sheet
--------------------	---

Catalogues	Catalogues in PDF-format
------------	--

VPU AC II+III 0 L3-PEN 440/20 S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

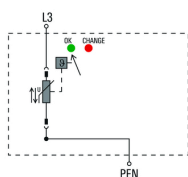
D-32758 Detmold

Germany

www.weidmueller.com

Drawings

Electric symbol



Schematic circuit diagram

VPU AC II+III 0 L3-PEN 440/20 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).	