

# SYS N4X 120/208Y - Surge protection device



2800714

<https://www.phoenixcontact.com/us/products/2800714>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Indoor/outdoor lightning current arrester and TVSS system for 120/208-240 V



## Product description

Combination lightning current arrester and TVSS for 120/208-240 V. Components are housed in an IP66/NEMA 4X cabinet.

## Commercial data

Item number	2800714
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	CL01
Product key	CL1622
Catalog page	Page 68 (C-6-2013)
GTIN	4046356643306
Weight per piece (including packing)	222.22 g
Weight per piece (excluding packing)	222.22 g
Customs tariff number	85363090
Country of origin	DE

# SYS N4X 120/208Y - Surge protection device



2800714

<https://www.phoenixcontact.com/us/products/2800714>

## Technical data

### Product properties

Product type	Surge protection for NEMA power supply units
IEC test classification	I + II
EN type	T1
Type	Housing for surface mounting
Surge protection fault message	Remote indication contact

### Electrical properties

Nominal voltage $U_N$	< 240 V
Fuse	200 kA VSP100, 100 A, 200 kAIC (IR)

### General

Power Systems	120/208 V AC Wye
---------------	------------------

### Connection data

Conductor cross section flexible min.	16 mm <sup>2</sup>
Conductor cross section flexible max.	35 mm <sup>2</sup>
Conductor cross section, rigid min.	10 mm <sup>2</sup>
Conductor cross section, rigid max.	50 mm <sup>2</sup>
Connection method	Screw connection
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section, rigid min.	0.14 mm <sup>2</sup>
Conductor cross section, rigid max.	1.5 mm <sup>2</sup>

### Dimensions

Width	400 mm
Height	500 mm
Depth	210 mm

### Material specifications

Color	Steel / stainless steel
	black (RAL 9005)
Housing material	Stainless steel 1.4404

### Protective circuit

Nominal voltage $U_N$	120/208 V AC (Wye)
Maximum continuous voltage $U_C$	275 V AC
Follow current interrupt rating $I_{fi}$	50 kA
Response time $t_A$	≤ 25 ns

### Environmental and real-life conditions

# SYS N4X 120/208Y - Surge protection device



2800714

<https://www.phoenixcontact.com/us/products/2800714>

## Ambient conditions

Degree of protection	IP66 / NEMA 4X
Ambient temperature (operation)	-40 °C ... 80 °C

## Approvals

### UL specifications

Short-circuit current rating (SCCR)	50 kA
UL type	type 2
Nominal discharge current $I_n$	20 kA
Maximum Surge Current per Phase	50 kA
Nominal voltage	120/208 V AC (Wye)
Power distribution system	Wye

## Standards and regulations

### Standards

Standards/regulations	ANSI/UL 1449:2014 Ed.4+R:17MAR2016
	IEC 60643-1
	EN 61643-11
	CAN/CSA-C22.2 No. 8:2013 Ed.5

## Mounting

Mounting type	Surface/Wall mounting
---------------	-----------------------

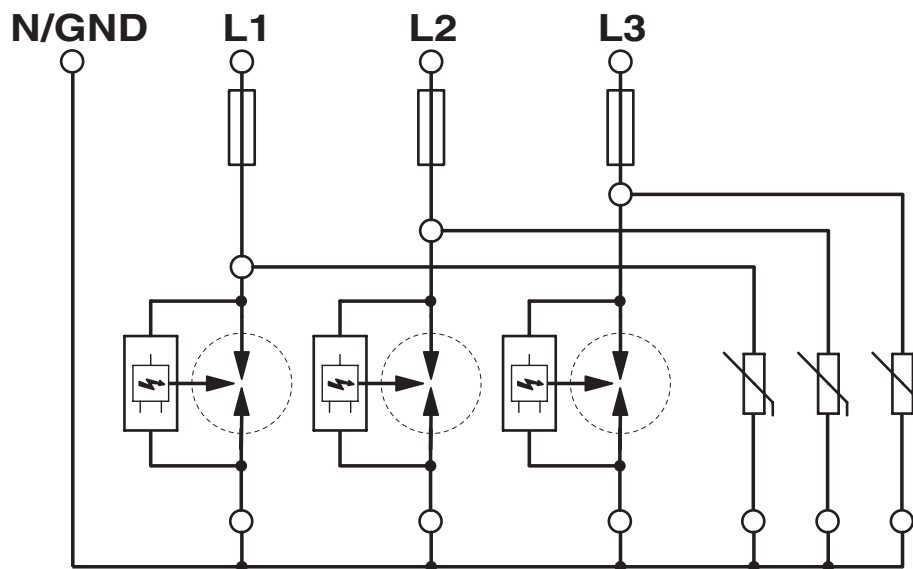
# SYS N4X 120/208Y - Surge protection device

2800714

<https://www.phoenixcontact.com/us/products/2800714>

## Drawings

Circuit diagram



# SYS N4X 120/208Y - Surge protection device



2800714

<https://www.phoenixcontact.com/us/products/2800714>

## Classifications

### ECLASS

ECLASS-11.0	27130805
ECLASS-13.0	27171202

### UNSPSC

UNSPSC 21.0	39121620
-------------	----------

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.