

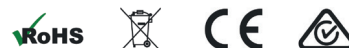
# CPS nano plus Split Phase 120 V

Power Line SPDs  
NEMA - TVSS



## General Data

Surge modules	5
Network configuration	Split Phase
IEC SPD Type	Class II
UL SPD Type	Type 2
Format	Hardwired
Protection Modes	Common & differential protection
Product standards	IEC 61643-11; UL 1449 4th edition



## PART NUMBERS

XXX	40	60	80	120	160
CPS nano plus XXXKA Split Ph 120V	77797713	77797723	77797733	77797743	77797753

## SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

CPS nano plus XXXKA Split Ph 120V	40	60	80	120	160
Nominal voltage AC 50-60 Hz - Un [V]	120				
Nominal voltage AC 50-60 Hz - Un(L-L) [V]	240				
Nominal voltage AC 50-60 Hz - Un(L-N) [V]	120				
Max Discharge Current (8/20) - I <sub>max</sub>	40kA/ph	60kA/ph	80kA/ph	120kA/ph	160kA/ph
Maximum back-up fuse [A [gG]]	63				
Response time - t <sub>A</sub> [ns]	≤1				
Dynamic thermal disconnection	Yes				

## SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

CPS nano plus XXXKA Split Ph 120V	40	60	80	120	160
Nominal discharge current (8/20) - I <sub>n</sub> [kA]	10			20	
Maximum continuous operating voltage - MCOV (L-N) [V]	175				
Voltage protection rating - VPR (L-L) [V]	1200				
Voltage protection rating - VPR (L-N) [V]	600				
Voltage protection rating - VPR (L-G) [V]	600				
Voltage protection rating - VPR (N-G) [V]	600				
Short-Circuit Current Rating-SCCR [kA]	100				
Multi-discharge system - MDS	Yes				

## TECHNICAL FEATURES

CPS nano plus XXXKA Split Ph 120V	40	60	80	120	160
Intelligent aging display led - IAD				100, 50, 0 %	
EMI Filter	Yes				
EMI Filter Common Mode	≤40 dB				
EMI Filter Differential Mode	≤40 dB				

## DATASHEET

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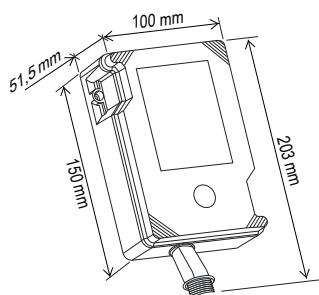
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# CPS nano plus Split Phase 120 V

## MECHANICAL AND ENVIRONMENTAL FEATURES

CPS nano plus <b>XXX</b> KA Split Ph 120V	40	60	80	120	160
Temperature range [°C]			-40 ... 70		
Indication System Type			Voltage LED, Protection status LED		
Insulating material			Polycarbonate		
Enclosure - IP			IP66		
Enclosure NEMA Type			4		
Flammability class			UL94 V-0		
Stranded conductor cross section			2,5 mm <sup>2</sup>		
Stranded conductor AWG dimensions			#14		

## DIMENSIONS AND WEIGHT



CPS nano plus <b>XXX</b> KA Split Ph 120V	40	60	80	120	160
Net Weight [kg]			1.032		
Gross weight [kg]			1.106		
Packaging dimensions (H x W x L) [mm]			255 × 106 × 61		

## INTERNAL CONFIGURATION

