

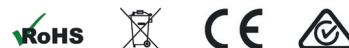
CPS nano plus High Leg Delta 120 V

Power Line SPDs
NEMA - TVSS



General Data

Surge modules	7
Network configuration	High Leg Delta
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 HLD 120V	77797710	77797720	77797730	77797740	77797750

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

CPS nano plus XXXkA HLD 120V	40	60	80	120	160
Nominal voltage AC 50-60 Hz - Un [V]	120/240				
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 _{max}	40kA/ph	60kA/ph	80kA/ph	120kA/ph	160kA/ph
Maximum back-up fuse [A [gG]]	63				
Response time - t _A [ns]	≤1				
Dynamic thermal disconnection	Yes				

SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

CPS nano plus XXXkA HLD 120V	40	60	80	120	160
Nominal discharge current (8/20) - I _n [kA]	10		20		
Maximum continuous operating voltage - MCOV (L-N) [V]	175				
Maximum continuous operating voltage - MCOV (LHL-L) [V]	320				
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				
Nominal voltage AC 50-60 Hz (LHL-N) [V]	208				
Voltage protection rating - VPR (LHL-G) [V]	1000				
Voltage protection rating - VPR (LHL-L) [V]	1600				
Voltage protection rating - VPR (LHL-N) [V]	1000				
Short-Circuit Current Rating-SCCR [kA]	100				
Multi-discharge system - MDS	Yes				

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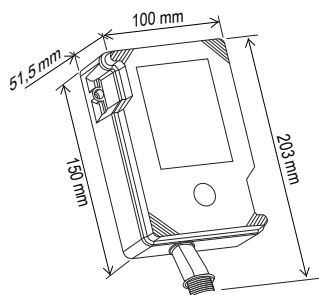
TECHNICAL FEATURES

CPS nano plus XXXkA HLD 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		

MECHANICAL AND ENVIRONMENTAL FEATURES

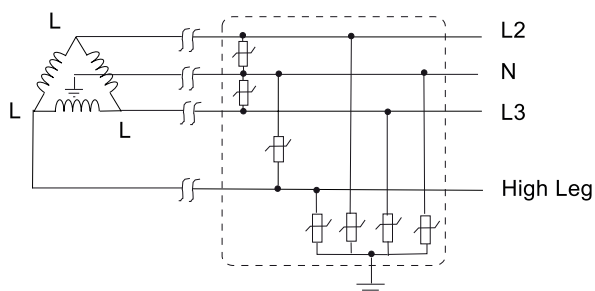
CPS nano plus XXXkA HLD 120V	40	60	80	120	160
Temperature range [°C]			-40 ... 70		
Indication System Type			Voltage LED, Protection status LED		
Insulating material			Polycarbonate		
Enclosure - IP			IP66		
Enclosure NEMA Type			4		
Flammability class			UL94 V-0		
Stranded conductor cross section		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

DIMENSIONS AND WEIGHT



CPS nano plus XXXkA HLD 120V	40	60	80	120	160
Net Weight [kg]	1.032	0.978		1.032	
Gross weight [kg]	1.106	1.047		1.106	
Packaging dimensions (H x W x L) [mm]	255 × 106 × 61				

INTERNAL CONFIGURATION



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