

CPS nano 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
CPS nano HIGHLEGD 120V XXXKA	77797610	77797620	77797630	77797640

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

CPS nano HIGHLEGD 120V XXXKA	40	60	80	120
Nominal voltage AC 50-60 Hz - Un [V]	120/240			
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
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 HIGHLEGD 120V XXXKA	40	60	80	120
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]	1200			
Voltage protection rating - VPR (LHL-N) [V]	1000			
Short-Circuit Current Rating-SCCR [kA]	100			
Multi-discharge system - MDS	Yes			

DATASHEET

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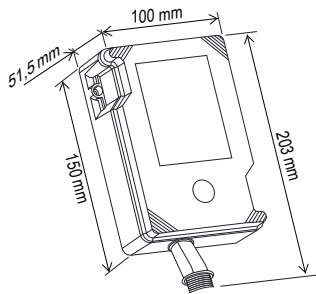
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MECHANICAL AND ENVIRONMENTAL FEATURES

CPS nano HIGHLEGD 120V XXXKA	40	60	80	120
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 HIGHLEGD 120V XXXKA	40	60	80	120
Net Weight [kg]	0.915			
Gross weight [kg]	0.998			
Packaging dimensions (H x W x L) [mm]	255 × 106 × 61			

INTERNAL CONFIGURATION

