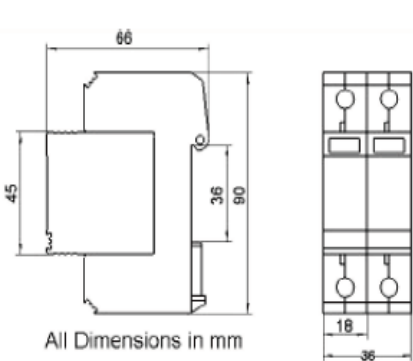
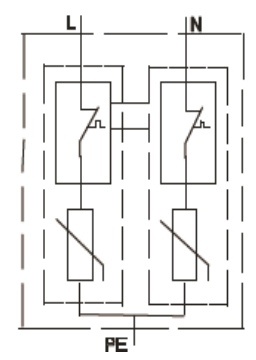


2P AC SPD SPECIFICATION SHEET

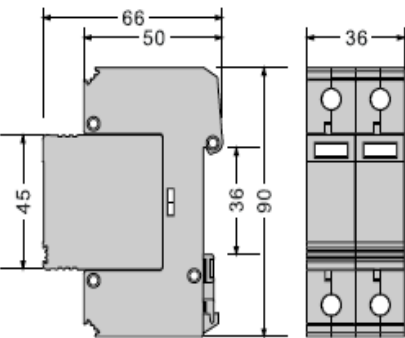
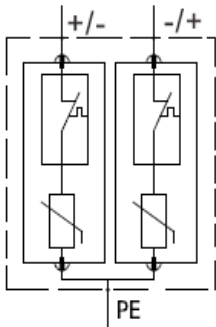
Model No.	Product Name	Data	Version
NSASPD-40	AC2P SPD	2011.10.25	A2

1. Basic Structure Drawing	2. Principle Drawing
	

3. Technical parameters		
Test class according to IEC61643-1:2005	II	
Type of Network	TT-TN-IT	
Nominal voltage	Un	230/400V, 50(60)Hz
Rated Voltage (Max. Cont. Operating Voltage)	Uc	385V
Maximum discharge current (8/20μs)	I _{max}	40kA
Nominal discharge current (8/20μs)	I _n	20kA
Voltage protective level at I _n	Up	≤1.8kV
Isolation resistance	Risol	>10 ² MΩ
Response time	Ta	≤25ns
Recommended back-up fuse	125A	
I/O Connections	By screw terminal: 10-35mm ² By connection bus	
Mounting	Symmetrical rail (EN50022/DIN46277-3)	
Operation temperature range	-40℃~+85℃	
Degree of protection	IP20	
Housing material	UL94V0	
Disconnection indicator	Mechanical indicator	
Remote control contact	Without	
Color	Gray	

2P DC SPD SPECIFICATION SHEET

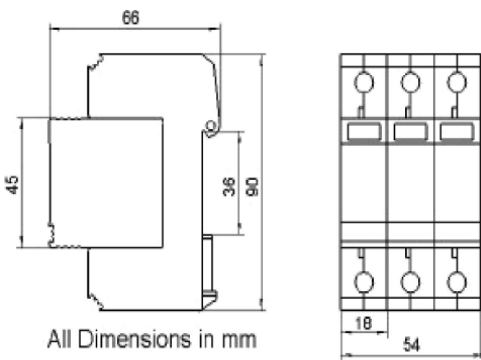
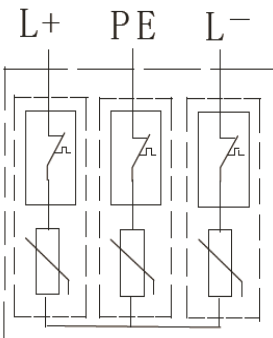
Model No.	Product Name	Data	Version
NSDSPD-40	DC2P SPD	2011.10.28	A2

1.Basic Structure Drawing	2. Principle Drawing
	

3. Technical parameters		
Test class according to IEC61643-1:2005	II	
Nominal voltage	Un	150V DC
Max.continuous d.c. voltage [(L+/L-)->PE]/[L+>L-]	Ucpv	180V DC
Maximum discharge current (8/20μs)	I _{max}	40kA
Nominal discharge current (8/20μs)	I _n	20kA
Voltage protective level at I _n	Up	≤1.0kV
Isolation resistance	R _{isol}	>10 ² MΩ
Response time	T _a	≤25ns
I/O Connections	By screw terminal:10-35mm ² By connection bus	
Mounting	Symmetrical rail (EN50022/DIN46277-3)	
Operation temperature range	-40℃~+85℃	
Degree of protection	IP20	
Housing material	UL94V0	
Disconnection indicator	Mechanical indicator	
Remote control contact	Without	
Color	Gray	
Isolation resistance	By screw terminal:10-35mm ² By connection bus	
Voltage protective level at I _n	Symmetrical rail (EN50022/DIN46277-3)	

3P DC SPD SPECIFICATION SHEET

Model No.	Product Name	Data	Version
NSDSPD-40	DC3P SPD	2011.10.28	A2

1. Basic Structure Drawing	2. Principle Drawing
	

3. Technical parameters		
Test class according to IEC61643-1:2005	II	
Nominal voltage	Un	1000V DC
Max.continuous d.c. voltage [(L+/L-)>PE]/[L+>L-]	Ucpv	1060V DC
Maximum discharge current (8/20μs)	I _{max}	40kA
Nominal discharge current (8/20μs)	I _n	20kA
Voltage protective level at I _n	Up	≤3.6kV
Isolation resistance	Risol	>10 ² MΩ
Response time	Ta	≤25ns
I/O Connections	By screw terminal:10-35mm ² By connection bus	
Mounting	Symmetrical rail (EN50022/DIN46277-3)	
Operation temperature range	-40℃~+85℃	
Degree of protection	IP20	
Housing material	UL94V0	
Disconnection indicator	Mechanical indicator	
Remote control contact	Without	
Color	Gray	
Isolation resistance	By screw terminal:10-35mm ² By connection bus	
Voltage protective level at I _n	Symmetrical rail (EN50022/DIN46277-3)	