SPD Surge Protection Devices

TECHNICAL DATASHEET

Key Features

- Compact 1P+N / 2P / 4P devices to cover all applications
- Competitively priced & available from stock
- Protects all earthing systems - TN, TT, IT - Type 2
- Suitable for 20kA & 40kA systems
- The only surge protection devices you'll need

CE



SPDS Compact Surge Protection Devices

Key Features

- Single module size (1P+N)
- Protects all earthing systems - TN, TT, IT - Type 2
- Suitable for 20kA & 40kA systems

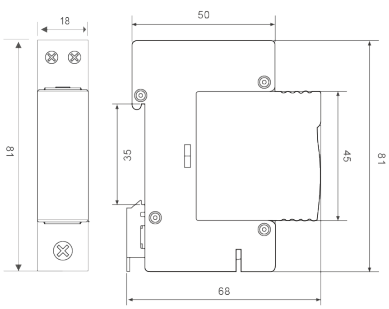
CE



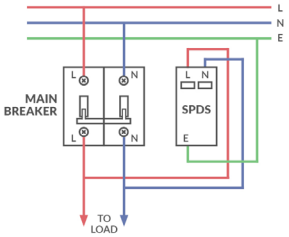
SPDS Technical Data

	Universal Protection - Available From Stock	Other Configuration
Part Number	**SPDS-401N**	**SPDS-201N**
Max. continuous operating voltage	275V AC (L-N) , 255V AC (N-PE)	275V AC (L-N) , 255V AC (N-PE)
Max. discharge current	40kA	20kA
Nominal discharge current	20kA	10kA
Voltage protection	1.5kV	1.2kV
Fuse Or Circuit Breaker	32A	20A
Combination method	1+1	1+1
Short circuit current	500 A	500 A
Status indicator	Green window: Healthy / Red window: Replace	Green window: Healthy / Red window: Replace
Wiring capacity	2.5mm (L-N), 4mm (N-PE)	2.5mm (L-N), 4mm (N-PE)
Degree of protection (IP code)	IP20	IP20
Power supply network	TN, TT, IT	TN, TT, IT
Mounting	Symmetrical Rail (EN50022/DIN46277-3) 35mm	Symmetrical Rail (EN50022/DIN46277-3) 35mm
Ambient temperature	-40°C +80°C	-40°C +80°C
Ambient humidity	5%-95%	5%-95%
Altitude	< 2000m	< 2000m
Standard conformity	IEC61643-11:2011, EN61643-11:2012	IEC61643-11:2011, EN61643-11:2012

Dimensions (mm)

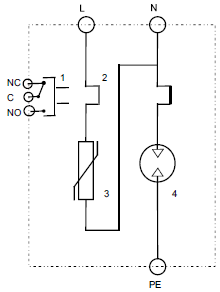


Wiring Diagram

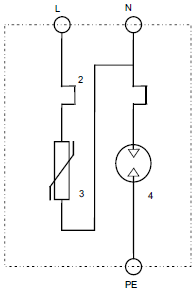


Electrical Diagram

1 - Alarm
2 - Disconnector
3 - MOV
4 - GDT



With Remote Signal



Without Remote Signal

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SPD Surge Protection Devices

TECHNICAL DATASHEET

SPDS Surge Protection Bases

Part Number	SPD1-BASE
Number Of Modules	1
Protection Rating	IP20
Temperature Rage	-40°C +80°C
Mounting	Symmetrical Rail (EN50022/DIN46277-3) 35mm
Housing Material	PA6 UL94-V0

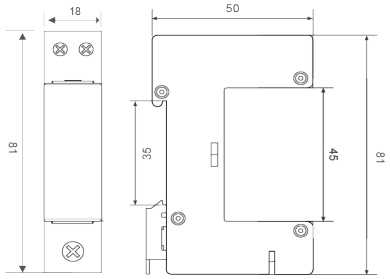


SPDS Surge Protection Modules

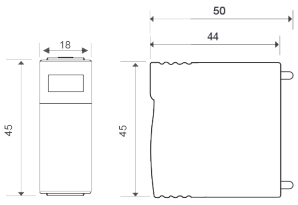
Part Number	C-201N	C-401N
Type Of Network Systems	TN, TT, IT	
Maximum Continuous Voltage	275V	275V
Maximum Discharge Surge Current	20kA	40kA
Norminal Discharge Current	10kA	20kA
Voltage Protection Level	1.0kV	1.2kV
Fuse Or Circuit Breaker	20A	32A
Response Time	<25ns	
Protection Rating	IP20	
Temperature Rage	-40°C +80°C	
Disconnection Indicator	Green window: Healthy / Red window: Replace	



SPDS Surge Protection Base Dimensions (mm)



SPDS Surge Protection Module Dimensions (mm)



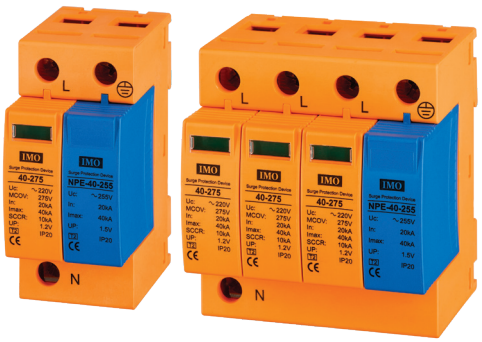
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SPD Surge Protection Devices

TECHNICAL DATASHEET

Key Features

- 2P / 4P devices to cover all applications
- Protects all earthing systems - TN, TT, IT - Type 2/3
- Suitable for 20kA & 40kA systems

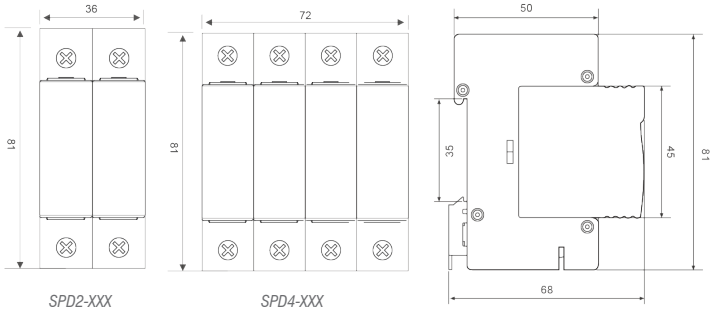


SPD Technical Data

	Universal Protection - Available From Stock	
Part Number	**SPD2-401N**	**SPD4-403N**
Type Of Network Systems	TN, TT, IT	TN, TT, IT
Maximum Continuous Voltage Ue	275V	
Maximum Continuous Voltage Un	-	400V
Maximum Discharge Surge Current	40kA	40kA
Norminal Discharge Current	20kA	20kA
Voltage Protection Level	1.2kV	1.2kV
Fuse Or Circuit Breaker	32A	32A
Response Time	<25ns	
Remote Signalling Of Disconnection	Option	
Protection Rating	IP20	
Connection	Screw Terminal: 4 to 25mm^2, By Busbar	
Temperature Rage	-40°C +80°C	
Disconnection Indicator	Green window: Healthy / Red window: Replace	
Mounting	Symmetrical Rail (EN50022/DIN46277-3) 35mm	
Housing Material	PA6 UL94-V0	

Other Configurations					
SPD2-201N	**SPD2-20-275**	**SPD2-40-275**	**SPD4-20-275**	**SPD4-40-275**	**SPD4-203N**
TN, TT, IT	TN	TN	TN	TN	TN, TT, IT
275V					
-	-	400V	-	400V	-
20kA	20kA	40kA	20kA	40kA	20kA
10kA	10kA	20kA	10kA	20kA	10kA
1.0kV	1.0kV	1.2kV	1.0kV	1.2kV	1.0kV
20A	20A	32A	20A	32A	20A
<25ns					
Option					
IP20					
Screw Terminal: 4 to 25mm^2, By Busbar					
-40°C +80°C					
Green window: Healthy / Red window: Replace					
Symmetrical Rail (EN50022/DIN46277-3) 35mm					
PA6 UL94-V0					

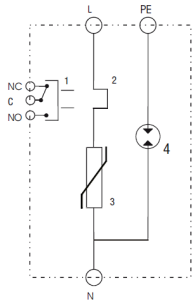
Dimensions (mm)



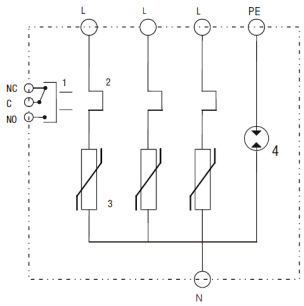
SPD2-XXX *SPD4-XXX*

Electrical Diagram

1 - Alarm
2 - Disconnector
3 - MOV
4 - GDT

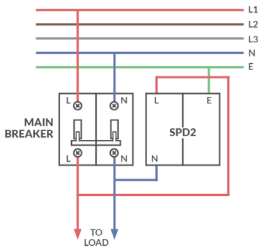


SPD2-XXX
With Remote Signal

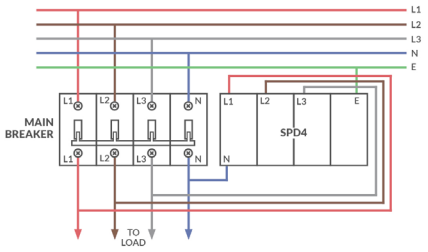


SPD4-XXX
With Remote Signal

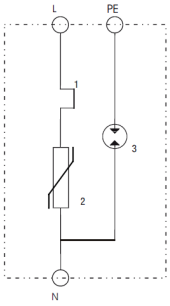
Wiring Diagram



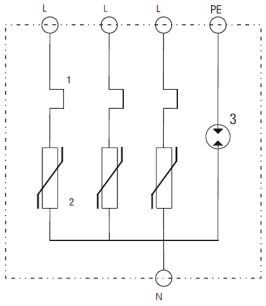
SPD2-XXX



SPD4-XXX



SPD2-XXX
Without Remote Signal



SPD4-XXX
Without Remote Signal

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SPD Surge Protection Devices

TECHNICAL DATASHEET

SPD Surge Protection Bases

Part Number	SPD2P-BASE	SPD2PN-BASE	SPD4P-BASE	SPD4PN-BASE
Number Of Modules	2	2	4	4
Protection Rating	IP20			
Temperature Rage	-40°C +80°C			
Mounting	Symmetrical Rail (EN50022/DIN46277-3) 35mm			
Housing Material	PA6 UL94-V0			

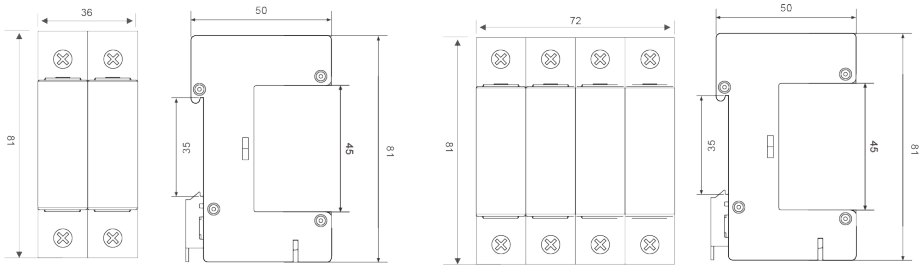


SPD Surge Protection Modules

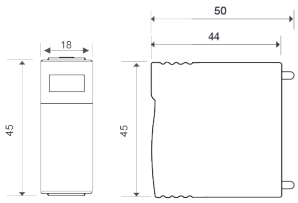
Part Number	SPDM-20-275	SPDM-40-275	SPDNPE-20-255	SPDNPE-40-255
Type Of Network Systems	TN, TT, IT			
Maximum Continuous Voltage	275V	275V	255V	255V
Maximum Discharge Surge Current	20kA	40kA	20kA	40kA
Norminal Discharge Current	10kA	20kA	10kA	20kA
Voltage Protection Level	1.0kV	1.2kV	1.2kV	1.5kV
Fuse Or Circuit Breaker	20A	32A	20A	32A
Response Time	<25ns			
Protection Rating	IP20			
Temperature Rage	-40°C +80°C			
Disconnection Indicator	Green window: Healthy / Red window: Replace		-	-



SPD Surge Protection Base Dimensions (mm)



SPD Surge Protection Module Dimensions (mm)



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