

철도공사 전용

Power Line

S-Series

Surge Protective Device



SPECIFICATION

Model No. (모델명)	S1-200	S200	S650	S24B
Rated system voltage 적용회로전압	AC 220V		AC 650V	DC 24V
Frequency 회로 주파수	50/ 60 Hz			
Class 등 급	Class I	Class II		
MCOV U _c 최대연속사용전압	AC 320 Vac	AC 275 Vac	AC 780 Vac	DC 30 Vac
Impulse Discharge Current <i>I</i> _{imp} (10/350 μs) 임펄스 전류	L - L : 25 kA L - PE : 50 kA	-		
Nominal Discharge Current <i>I</i> _n (8/20 μs) 공칭방전전류	-	20kA/ Mode		10kA/ Mode
Maximum Discharge Current <i>I</i> _{max} (8/20 μs) 최대방전전류	-	40kA/ Mode		20kA/ Mode
Voltage Protection Level <i>U</i> _p 전압보호레벨	L - L : 1.3 kV L - PE : 1.8 kV	1.8kV	2.5kV	1.0kV
Protection Mode 보호모드	L - L L - PE	L - N N - PE	L - L L - PE	(+) - (-) (+) - PE/ (-) - PE
Types of Earthing System 접지방식	TN, TT, IT			
Diagnostics 상태표시	Green (Protected)/ Yellow (Check)/ Red (Replace)			
Function 기능	Surge Counter (4-Digit Display)			
Connection & Mounting Method 연결 및 설치방법	Parallel Connection Type/ Wall Mounting			
Wiring size 연결 전선	L : 10mm ² PE : 16mm ²	4mm ²		
Dimensions (WxHxD) 크기	127x210x85 mm	100x79.5x79.5 mm		
Internal Disconnector 내부 분리기	Thermal Runaway Multi-Fusing Protection			
External Disconnector 외부 분리기	TPS - 1S250B	TPS - 2S20C		

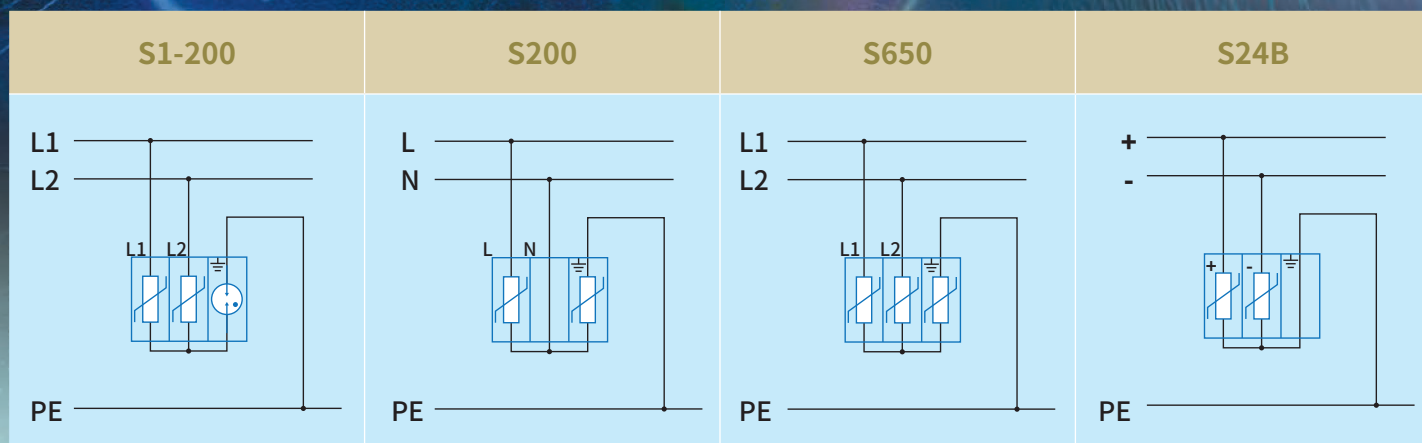
철도공사 전용

Power Line

S-Series

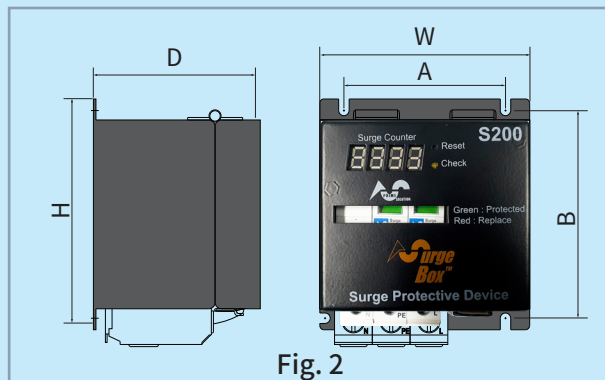
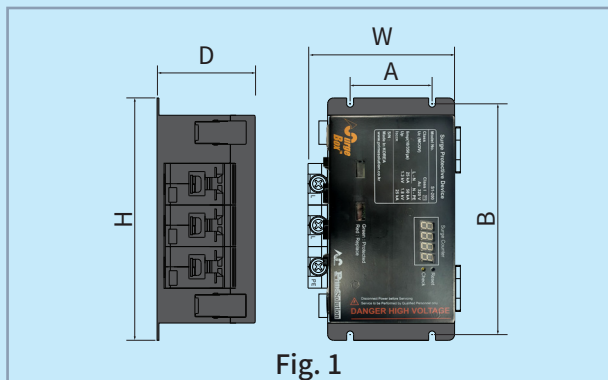
Surge Protective Device

CIRCUIT DIAGRAM



* 배선길이 : 전원측과 접지측 리드선 길이를 합산 50cm 이내로 설치한다.

DIMENSION



mm

Model	W	A	B	H	D	Note
S1-200	127	71	200	210	85	Fig. 1
S200	100	77	99	110	79.5	Fig. 2
S650	100	77	99	110	79.5	Fig. 2
S24b	100	77	99	110	79.5	Fig. 2

철도공사 전용

DC Data Lines

ST0405/ S14P

Surge Protective Device



SPECIFICATION

Model No. (모델명)	ST0405 (궤도회로용)	S14P (신호통신용)
Rated system voltage 적용회로전압	DC 5V	DC 24V
Connection & Mounting Method 연결 및 설치방법	Parallel Connection Type	Serial Connection Type
MCOV U_c 최대연속사용전압	DC 30V	
Voltage Protection Level U_p 전압보호레벨	-	120V
Frequency 회로 주파수	50/ 60 Hz	
Class 등급	Class III	
Nominal Discharge Current I_n (8/20 μ s) 공칭방전전류	10kA	
Maximum Discharge Current I_{max} (8/20 μ s) 최대방전전류	25kA	
Dimensions (WxHxD) 크기	85x20x27	
Impulse Durability 임펄스 내구성	C2 : (8/20 μ s)10kV / 5kA D1 : limp(10/350 μ s) 2kA I_{TOTAL} 10kA	
Response Time 반응속도	< 5 nano-seconds	
Connections 접속방법	Terminal Holder	

CONNECTION

Marking	Description	Note
Field	외부 선로 측 데이터선 연결	Blue
Equipment	기기 측 데이터선 연결	Green
	접지	

철도공사 전용

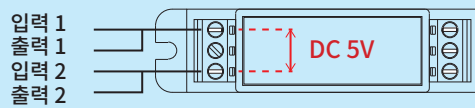
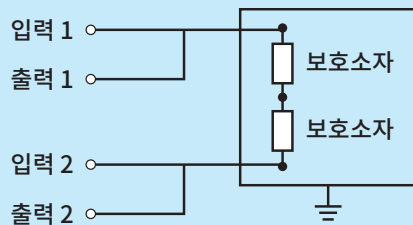
Power Line

ST0405/ S14P

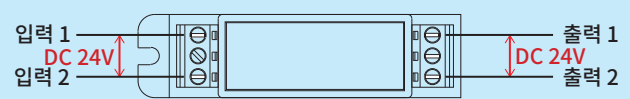
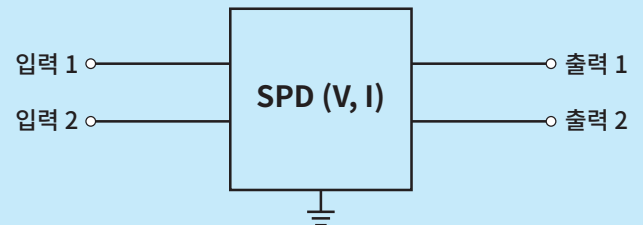
Surge Protective Device

CIRCUIT DIAGRAM

ST0405



S14P



DIMENSION

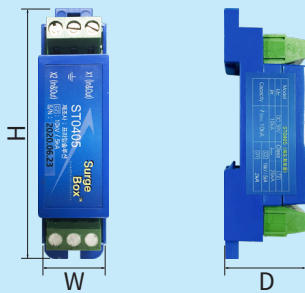


Fig. 1

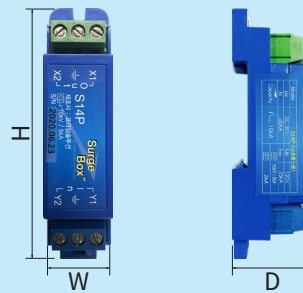


Fig. 2

mm

Model	W	H	D	Note
ST-0405	20	85	27	Fig. 1
S14P	20	85	27	Fig. 2