

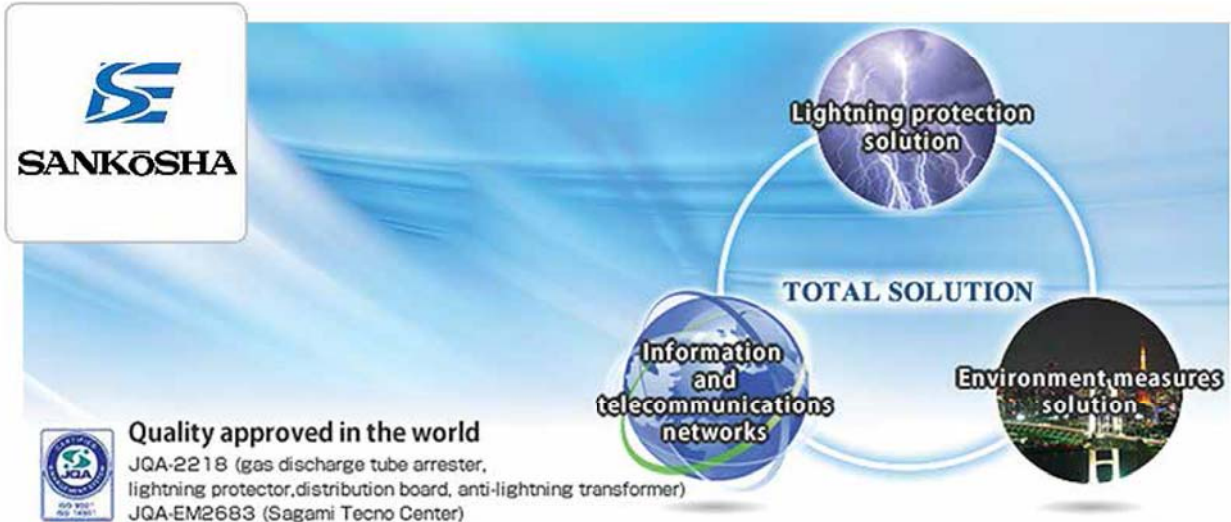
Lightning Protection System of KOREA

서지보호시스템

 **SANKŌSHA**

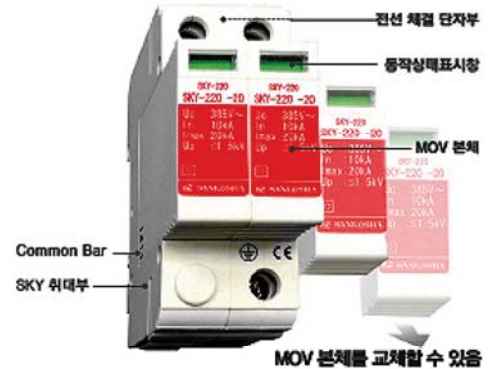
 **KLPS**
Best Solutions of Lightning

본 SANKOSHA SKY SPD Series은 전원회로를 뇌 서지로부터 방호하는 전원용 SPD (서지보호기)입니다. 책과 본체의 분리가 가능한 플러그인 타입으로 보수, 유지성이 뛰어나고 열화고장 표시기능, 고장경보 접점이 장착되어 있습니다.



> SANKOSHA SKY SPD Series 제품특징

- AC220 / 380V (IMAX 40KA) : 전원용 서지보호기
- IEC 62305 - 4 : 2006 COMPLIANT
- CLESS II (IEC 61643 - 1 : 1998) COMPLIANT
- DINRAIL (35mm) 장착가능
- 플러그 - 인 형태
- 열화고장표시기능, 경보 접점기능
- 전 제품 CE 인증
- 관련규격 (Standard Compliance)
: KS CIEC 61643 - 1, KS CIEC 61643 - 12



> SANKOSHA 제품군 : 전원용, 통신용, 데이터용, CCTV용

> SKY SPD Series 인증



SANKOSHA 전제품은 CE 인증 제품군을 보유하고 있는 세계적인 낙뢰전문 기업으로 저희 LPS Korea 에서 통해 SPD 제품 판매 하고 있습니다.

The background is a blue-tinted photograph of a city skyline, likely Chicago, with several skyscrapers visible. A bright, jagged lightning bolt strikes down from the top right towards the center of the image. The text is overlaid on the right side of the image.

전원용 SPD

Power supply SPD

전원용 SKY 2202 SPD Series 제품사양

형 명	SKY 2202-20G	SKY 2202-40G	SKY 2202-80G	SKY 2202-140G
전력전압 Un (Rated System Voltage, 인가전압)	AC 220 V	AC 220 V	AC 220 V	AC 220 V
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)	AC 385	AC 385	AC 385	AC 385
전압보호수준 Up (서지가 억제되는 전압 수준)	1.5 kV	1.8 kV	2.2 kV	3.5 kV
공칭방전전류 In(8/20 μ s) KA	10 kA	20 kA	40 kA	80 kA
최대방전전류 I _{max} (8/20 μ s) KA	20 kA	40 kA	80 kA	140 kA
반응시간 ns	< 25ns			
사용주위온도 °C	-40 ~ +80 °C			
사용주파수 Hz	50 / 60 Hz			
부착방식	Din-Rail 사용부착			
동작상태 표시창	정상동작 : 녹색 점등 비정상 / 사고 후 : 적색 점등			

전원용 SKY 2202 SPD Series 제품상세



SKY 2202-20G



SKY 2202-40G

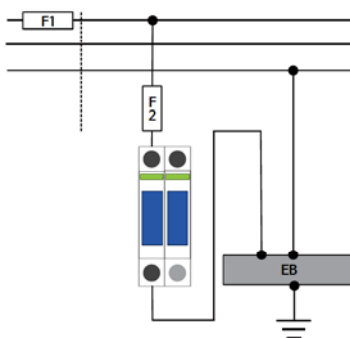


SKY 2202-80G

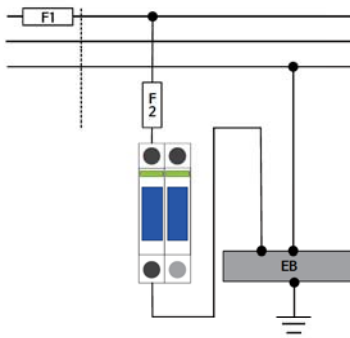


SKY 2202-140G

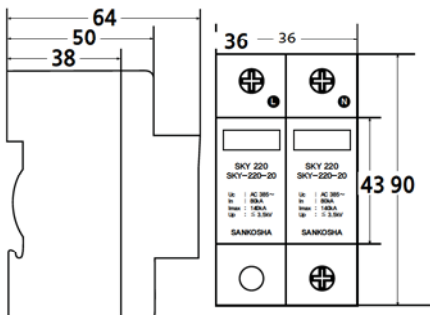
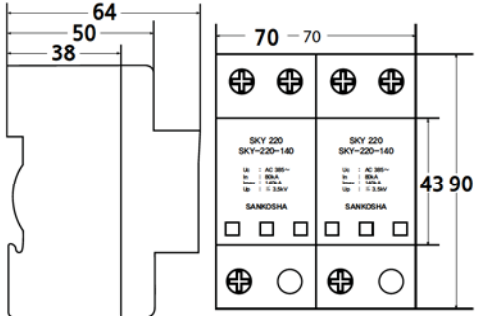
Diagram



Diagram



Dimensions 단위 : mm

전원용 SKY-2201+NPE-40G 제품사양

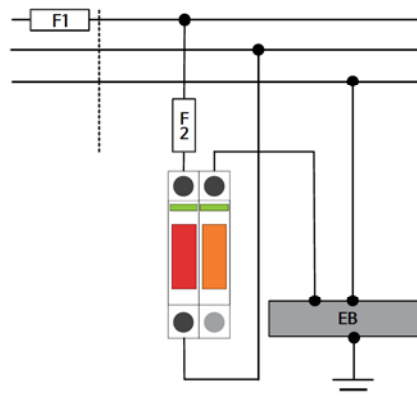
형 명	SKY-2201+NPE-40G
전격전압 Un (Rated System Voltage, 인가전압)	AC 255 V / 385 V
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)	220V
전압보호수준 Up (서지가 억제되는 전압 수준)	1.8 kV
공칭방전전류 In(8/20 μ s) KA	20 kA
최대방전전류 Imax(8/20 μ s) KA	40 kA
반응시간 ns	< 25ns
사용주위온도 °C	-40 ~ +80 °C
사용주파수 Hz	50 / 60 Hz
부착방식	Din-Rail 사용부착
동작상태 표시창	정상동작 : 녹색 점등 비정상 / 사고 후 : 적색 점등

전원용 SKY-2201+NPE-40G 제품상세



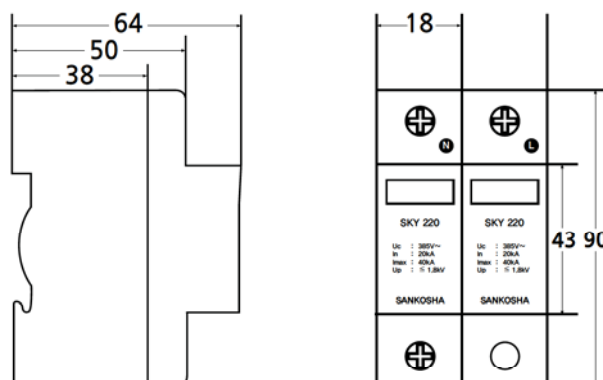
SKY-2201+NPE-40G

Diagram



단위 : mm

Dimensions



전원용 SKY 3803 SPD Series 제품사양

형 명	SKY 3803-20G	SKY 3803-40G	SKY 3803-80G	SKY 3803-140G
전격전압 Un (Rated System Voltage, 인가전압)	AC 220 V / 380 V			
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)	AC 385			
전압보호수준 Up (서지가 억제되는 전압 수준)	1.5 kV	1.8 kV	2.2 kV	3.5 kV
공칭방전전류 In(8/20 μ s) KA	10 kA	20 kA	40 kA	80 kA
최대방전전류 I _{max} (8/20 μ s) KA	20 kA	40 kA	80 kA	140 kA
반응시간 ns	< 25ns			
사용주위온도 °C	-40 ~ +80 °C			
사용주파수 Hz	50 / 60 Hz			
부착방식	Din-Rail 사용부착			
동작상태 표시창	정상동작 : 녹색 점등 비정상 / 사고 후 : 적색 점등			

전원용 SKY 3803 SPD Series 제품상세



SKY 3803-20G



SKY 3803-40G

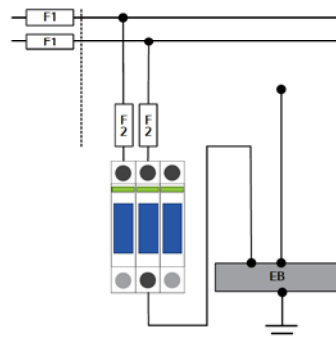


SKY 3803-80G

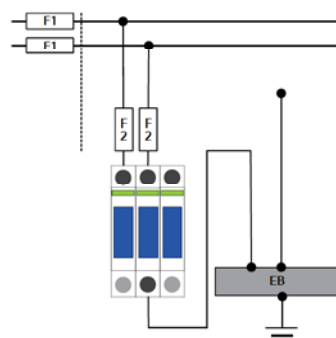


SKY 3803-140G

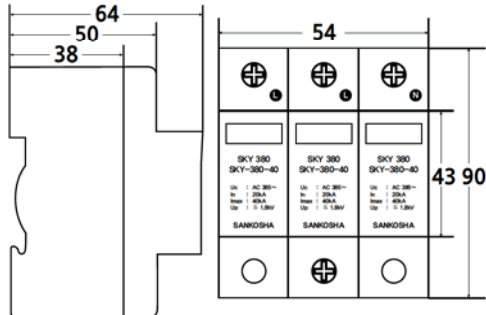
Diagram



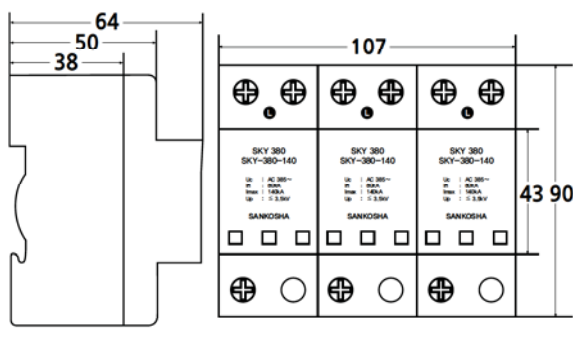
Diagram



Dimensions 단위 : mm



Dimensions



전원용 SKY 3804 SPD Series 제품사양

형 명	SKY 3804-40G	SKY 3804-80G	SKY 3804-140G
전격전압 Un (Rated System Voltage, 인가전압)	AC 220 V / 380 V		
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)	AC 385		
전압보호수준 Up (서지가 억제되는 전압 수준)	1.8 kV	2.2 kV	3.5 kV
공칭방전전류 In(8/20 μ s) KA	20 kA	40 kA	80 kA
최대방전전류 I _{max} (8/20 μ s) KA	40 kA	80 kA	140 kA
반응시간 ns	< 25ns		
사용주위온도 °C	-40 ~ +80 °C		
사용주파수 Hz	50 / 60 Hz		
부착방식	Din-Rail 사용부착		
동작상태 표시창	정상동작 : 녹색 점등 비정상 / 사고 후 : 적색 점등		

전원용 SKY 3804 SPD Series 제품상세



SKY 3804-20G



SKY 3804-40G

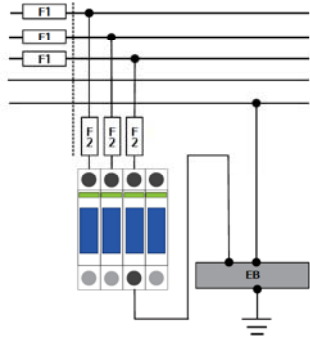


SKY 3804-80G

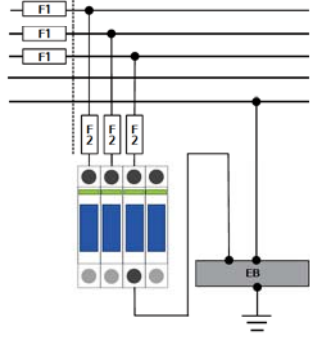


SKY 3804-140G

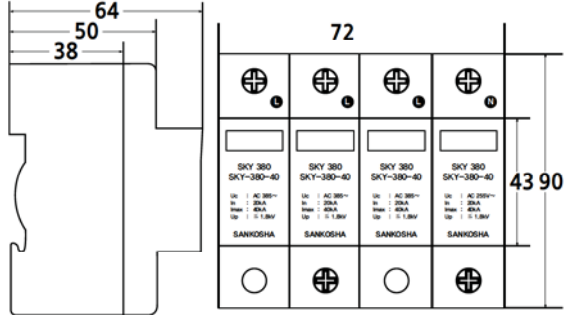
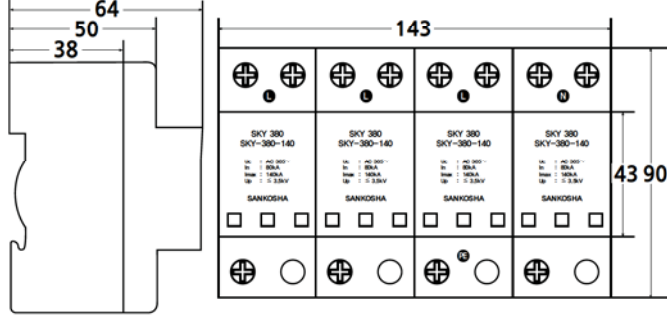
Diagram



Diagram



Dimensions 단위 : mm

전원용 SKY-3803+NPE-40G 제품사양

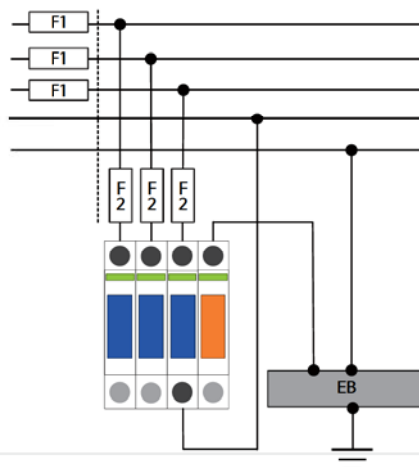
형 명	SKY 3804-40G
전격전압 Un (Rated System Voltage, 인가전압)	AC 220 V / 380 V
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)	AC 385
전압보호수준 Up (서지가 억제되는 전압 수준)	1.8 kV
공칭방전전류 In(8/20 μ s) KA	20 KA
최대방전전류 Imax(8/20 μ s) KA	40 KA
반응시간 ns	< 25ns
사용주위온도 °C	-40 ~ +80 °C
사용주파수 Hz	50 / 60 Hz
부착방식	Din-Rail 사용부착
동작상태 표시창	정상동작 : 녹색 점등 비정상 / 사고 후 : 적색 점등

전원용 SKY-3803+NPE-40G 제품상세



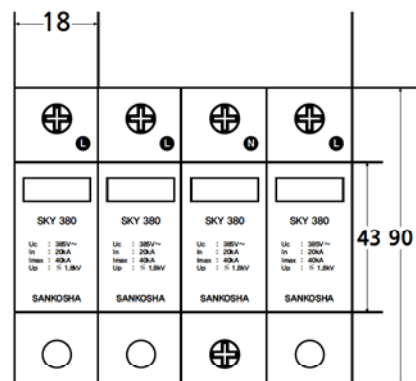
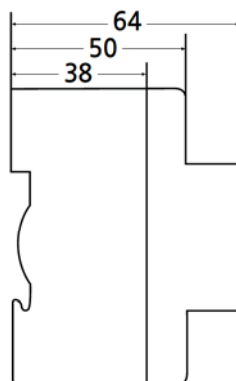
SKY-3803+NPE-40G

Diagram



단위 : mm

Dimensions



전원용 MZS-200AV 제품사양

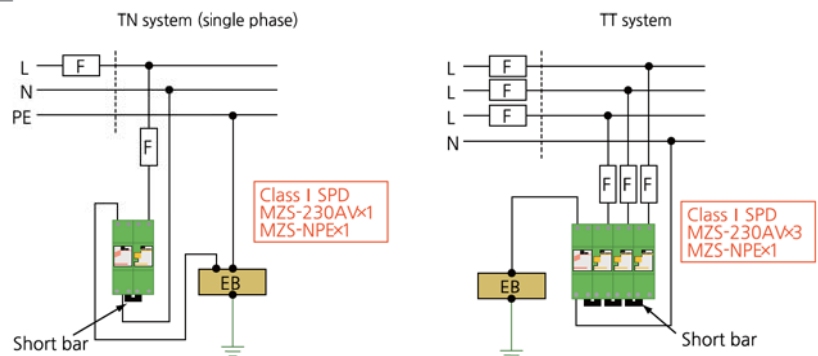
형 명	MZS-200AV (Class I)
전격전압 Un (Rated System Voltage, 인가전압)	AC 100V/200V
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)	AC 275V
전압보호수준 Up (서지가 억제되는 전압 수준)	2.0 kV
Impulse current/Imp(10/350 μ s) KA	25kA
단락내구성 Isscr KA	50kA
반응시간 ns	< 25ns
사용주위온도 °C	-40 ~ +80 °C
사용주파수 Hz	50 / 60 Hz
부착방식	Din-Rail 사용부착
동작상태 표시창	정상동작 : 녹색 점등 비정상 / 사고 후 : 적색 점등

전원용 MZS-200AV 제품상세

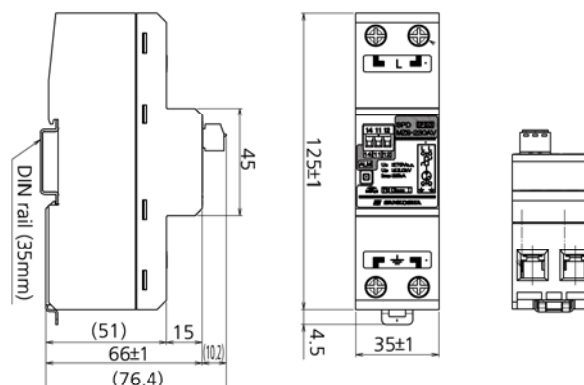


MZS-200AV

Diagram



Dimensions



전원용 MZS-NPE 제품사양

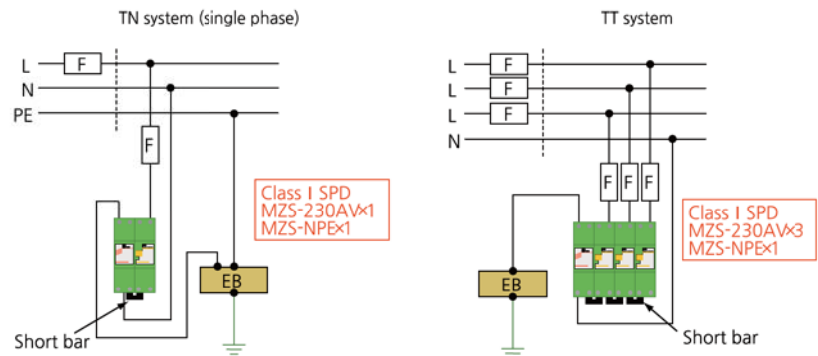
항 명	MZS-NPE (Class I)
전격전압 Un (Rated System Voltage, 인가전압)	AC 100V/200V
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)	AC 255V
전압보호수준 Up (서지가 억제되는 전압 수준)	1.5kV
Impulse current/limp(10/350 μ s) KA	75kA
공칭방전전류 In(8/20 μ s) KA	20kA
반응시간 ns	< 25ns
사용주위온도 °C	-40°C to +70°C
사용주파수 Hz	50 / 60 Hz
부착방식	Din-Rail 사용부착
동작상태 표시창	정상동작 : 녹색 점등 / 비정상 or 사고 후 : 적색 점등

전원용 MZS-NPE 제품상세

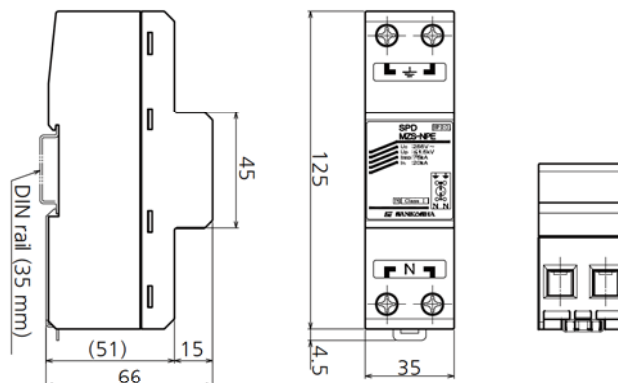


MZS-NPE

Diagram



Dimensions



전원용 Smart SPD®System

SMA-MZSR [] 【Smart SPD® for systems】

형 명	SMA-MZSR200JK1	SMA-MZSR400JK1
최대연속동작전압 U_c (MCOV, 서지보호기에 걸리는 전압)	AC 275V	220~277V
전압보호수준 U_p (서지가 억제되는 전압 수준)	1.4kV or less	2.5kV or less
공칭방전전류 $I_n(8/20\mu s)$ KA	20kA	
최대방전전류 $I_{max}(8/20\mu s)$ KA	40kA	

SMU-AC 【Smart SPD® monitor】

형 명	SMA-MZSR200JK1
Communication interface	AC 275V
No. of Smart SPD® connectable	1.4kV or less
Power supply	20kA

전원용 Smart SPD®System 제품상세



Smart SPD®System



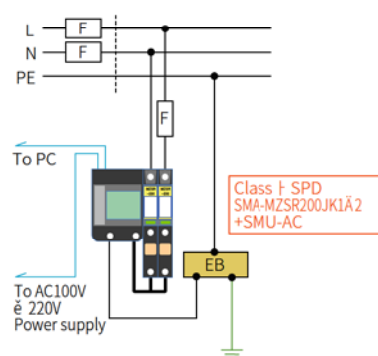
MZSR200



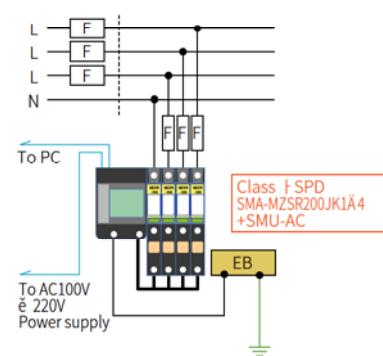
SMA-MZSR400

Diagram

TN system (single phase)

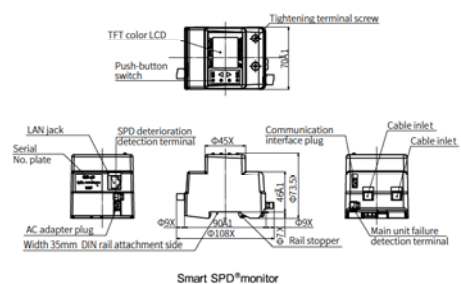
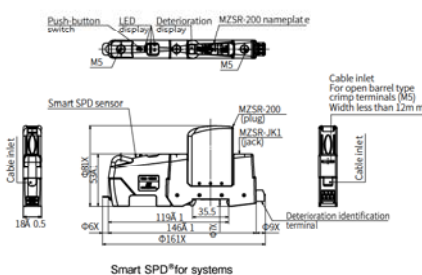


TT system



단위 : mm

Dimensions







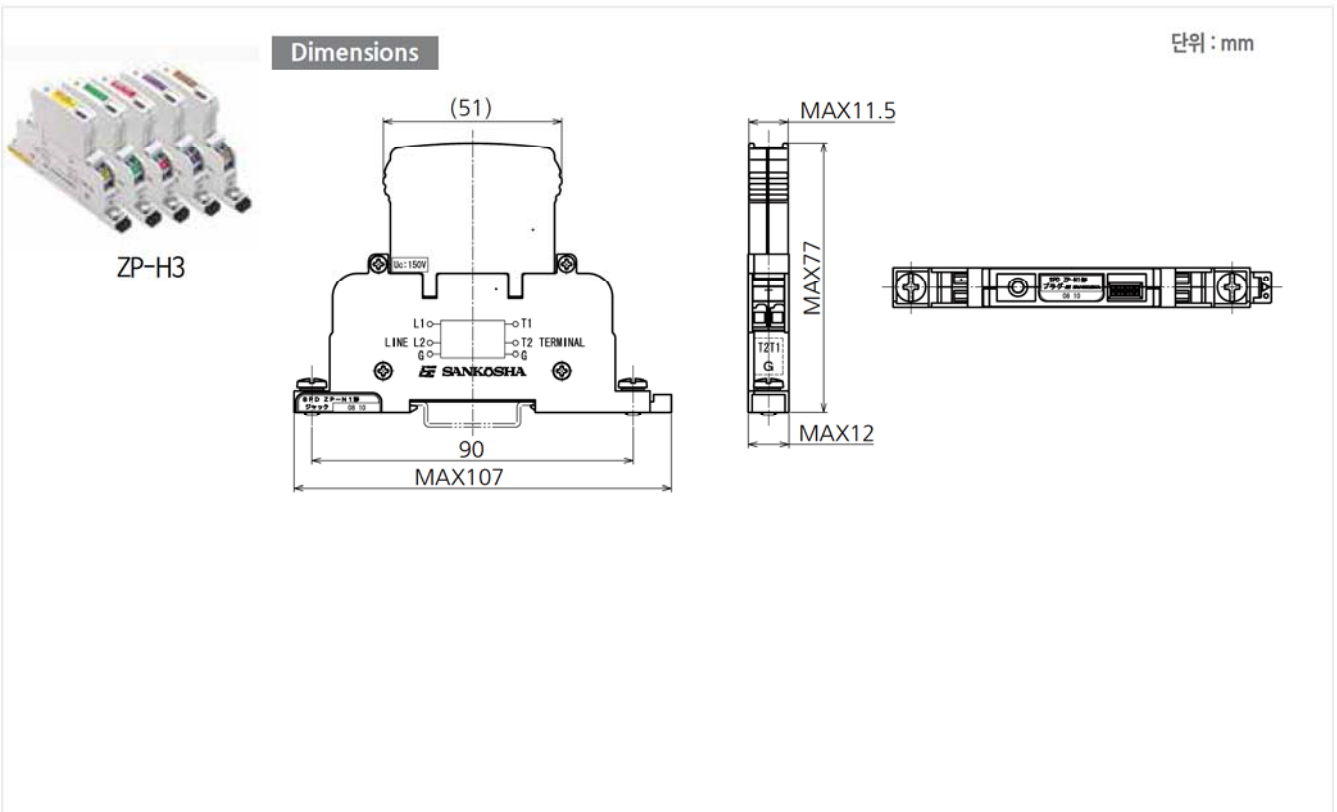
LAN용 SPD
통신용 SPD
동축용 SPD

SPD for LAN
SPD for communication equipment
SPD for co-axial connectors

통신용 ZP type SPD Series 제품사양

형 명		ZP-H3-06V	ZP-H3-12V	ZP-H3-24V	ZP-H3-48V
Rated current		DC400mA		DC100mA	
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)		DC9V (06V)	DC13.5V (12V)	DC27V (24V)	DC52V (48V)
전압보호수준 Up (서지가 억제되는 전압 수준)		80V or less (06V)	100V or less (12V)	120V or less (24V)	140V or less (48V)
Impulse durability (two lines together)	Category C2 (8/20μs) KA	10kA (10 times)			
	Category D1 (10/350 μs)KA	5kA (2 times)			
Series resistance		5Ω ± 10%			
사용주위온도 ℃		-40 ~ +70 ℃			
사용주파수 Hz		50 / 60 Hz			
Wiring method		Relay wiring (○), Suspended wiring (×)			
Applicable wires		0.08 to 2.5 mm²			
동작상태 표시창		정상독작 : 녹색 점등 / 비정상 or 사고 후 : 적색 점등			
제품특징		- 공간절약이 가능한 슬림디자인 - 교체가용이한 Plug-in type - DIN rail mountable (35 mm) - 제품성능저하시 Special tester (ZPT1 type) 가능			

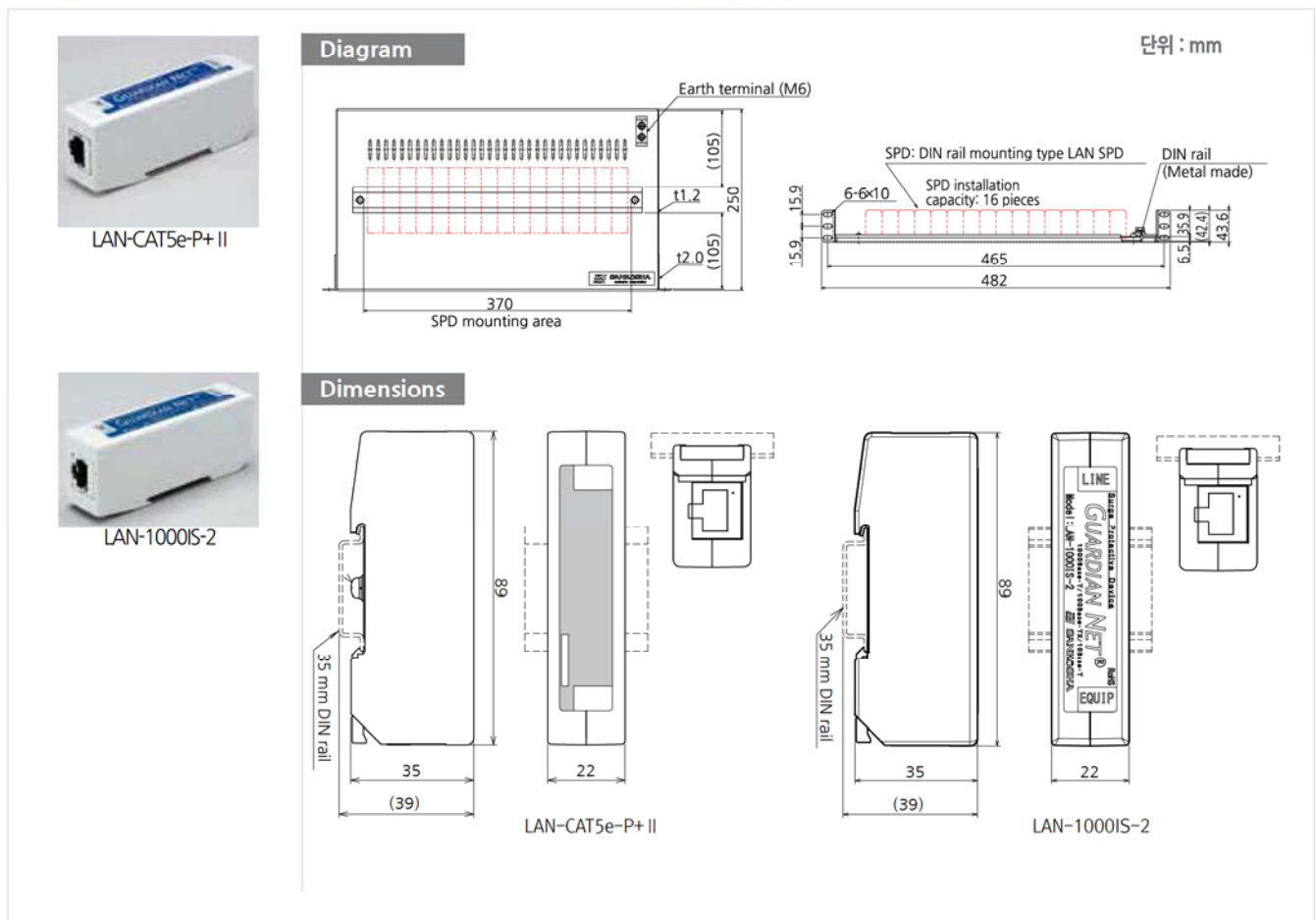
통신용 ZP type SPD Series 제품상세



LAN용 LAN-CAT5e-P+ II / LAN-1000IS-2 제품사양

형 명		LAN-CAT5e-P+ II	LAN-1000IS-2
Rated current		600mA	-
Applications		- PoE System - Gigabit Ethernet - Network Camera - The Wireless Access Point - Telephone Equipment Applicable to VoIP - Networking Equipment in the Outside Building	- Gigabit Ethernet - Network Camera - Standard Home Network Device such as PC - Networking Equipment in the Outside Building
Applicable lines		100BASE-TX/1000BASE-T	100BASE-TX/1000BASE-T
PoE		IEEE802.3af/IEEE802.3at	-
Impulse withstand voltage	Category C2 (8/20μs) KA	5kA (10 times)	-
	Category D1 (10/350 μs)KA	2.5kA (2 times)	-
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)		DC60V	-
전압보호수준 Up (서지가 억제되는 전압 수준)		500V or less	-
AC withstand voltage		-	4kV or more
제품특징		- DIN rail mountable (35 mm)	

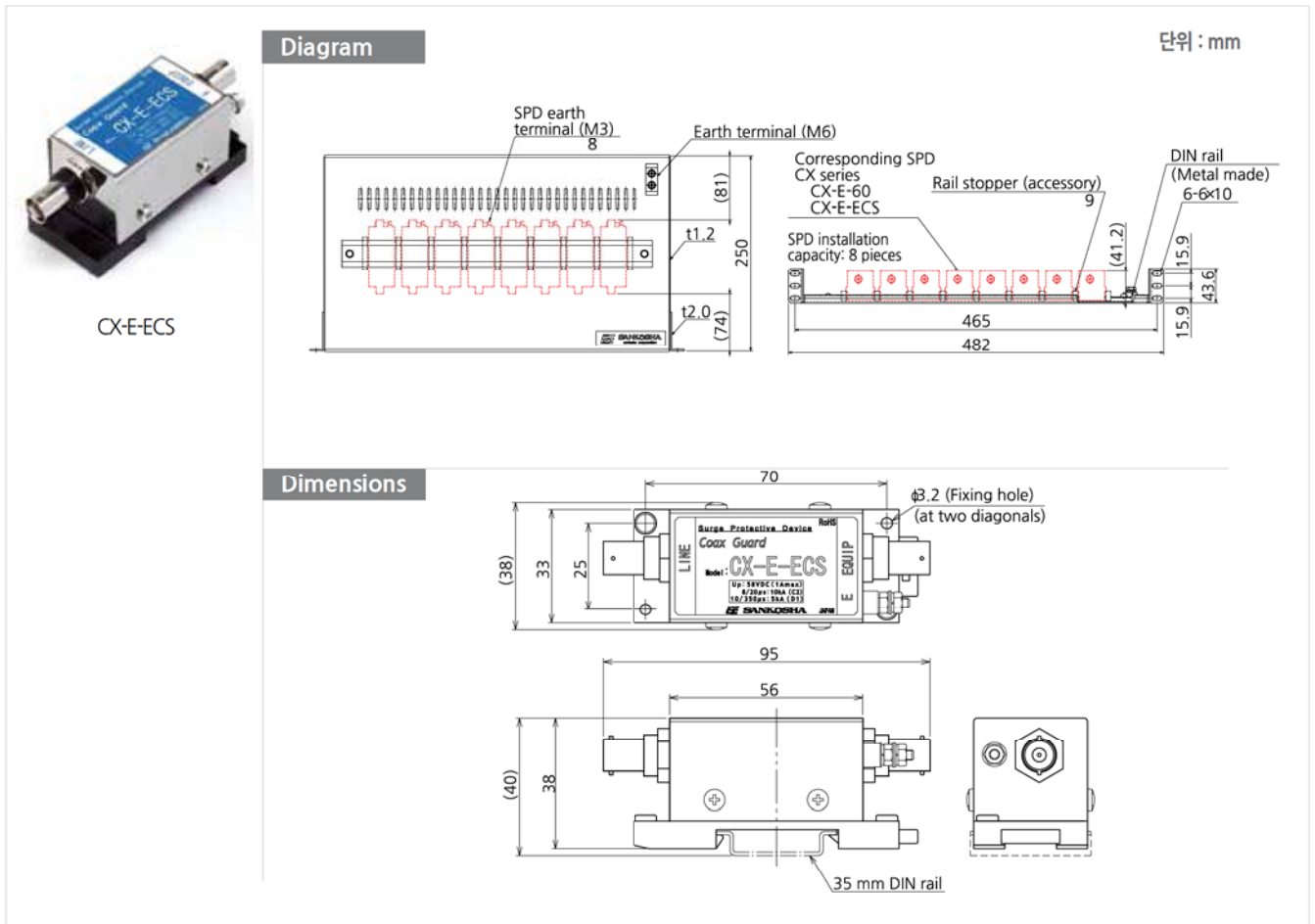
LAN용 LAN-CAT5e-P+ II / LAN-1000IS-2 제품상세



동축용 CX-E-ECS 제품사양

형 명		CX-E-ECS
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)		DC58V
전압보호수준 Up (서지가 억제되는 전압 수준)		250V or less (between conductors)/500V or less (to ground)
저항		50Ω/75Ω
Rated current		1A
Impulse durability (two lines together)	Category C2 (8/20μs) KA	10kA (10 times)
	Category D1 (10/350 μs)KA	5kA (2 times)
Connector type		BNC (J-J)
Frequency bandwidth		DC to 30 MHz
Insertion loss		1.0dB or less
사용주위온도 °C		Indoor -35°C to +60°C

동축용 CX-E-ECS 제품상세



동축용 B-JP-1 (50Ω / 75Ω)/N-JP-1S(50Ω) 제품사양

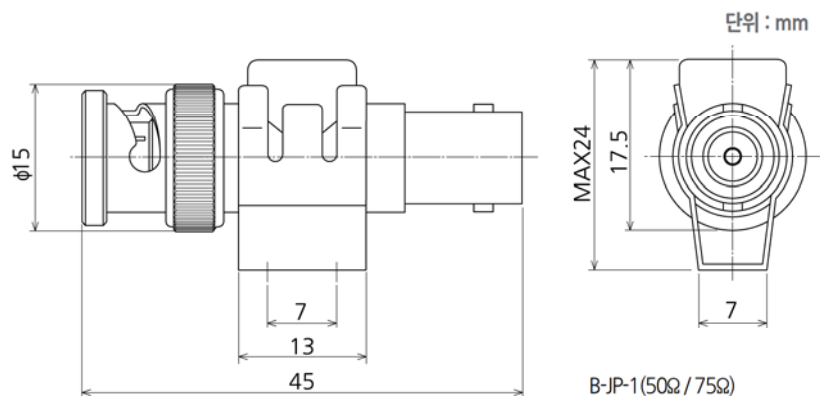
형 명		B-JP-1(50Ω)	B-JP-1(75Ω)	N-JP-1S(50Ω)
최대연속동작전압 U_c (MCOV, 서지보호기에 걸리는 전압)		DC58V	DC58V	DC58V
전압보호수준 U_p (서지가 억제되는 전압 수준)		1.5 kV or less		700V or less
저항		50Ω	75Ω	50Ω
Permissible power		50W		10W
Impulse durability (two lines together)	Category C2 (8/20μs) KA	5kA (10 times)		5kA (10 times)
	Category D1 (10/350 μs)KA	1kA (2 times)		2.5kA (2 times)
Connector type		BNC type (P-J)		N type (P-J)
Frequency bandwidth		DC to 1.6GHz	DC to 400MH z	DC to 3GHz
Insertion loss		0.2dB or less (DC to 1GHz)	0.2dB or less	1.2 or less
		0.3dB or less (1 to 1.6GHz)		
사용주위온도 °C		-40℃ to +70℃		

동축용 B-JP-1 (50Ω / 75Ω)/N-JP-1S(50Ω) 제품상세



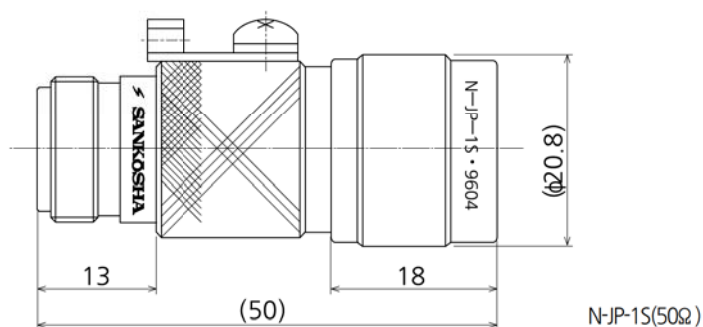
B-JP-1(50Ω / 75Ω)

Dimensions



N-JP-1S(50Ω)

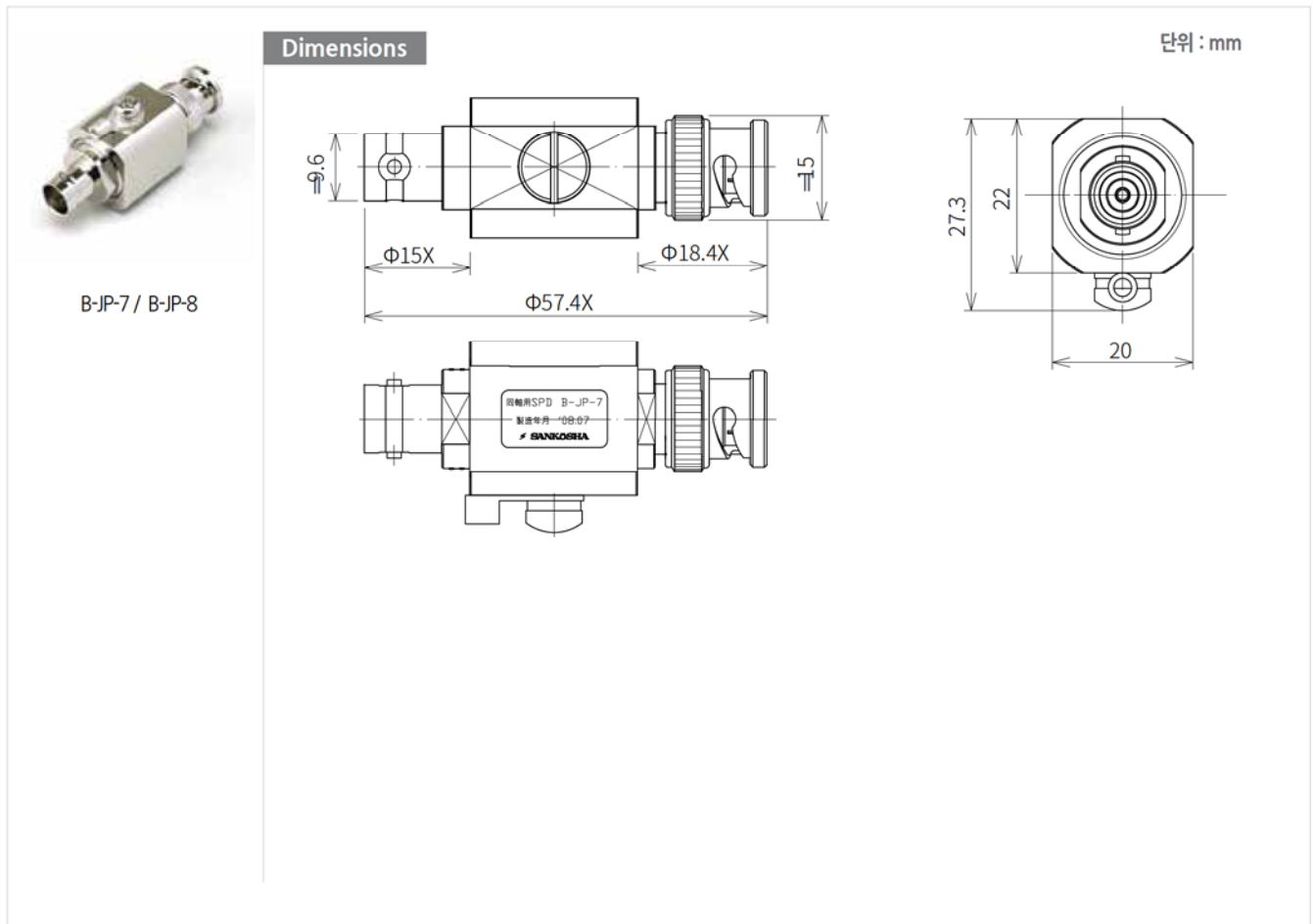
Dimensions



동축용 B-JP-7/B-JP-8 제품사양

형 명	B-JP-7	B-JP-8
최대연속동작전압 Uc (MCOV, 서지보호기에 걸리는 전압)	DC 180V or more	
전압보호수준 Up (서지가 억제되는 전압 수준)	1.5 kV or less	
저항	50Ω	75Ω
Permissible power	10W	50W
Impulse durability (two lines together)	Category C2 (8/20μs) KA	20kA (10 times)
	Category D1 (10/350 μs)KA	2.5kA (2 times)
Connector type	BNC type (P-J)	
Frequency bandwidth	DC to 1.6GHz	DC to 400MHz
Insertion loss	0.2dB or less	

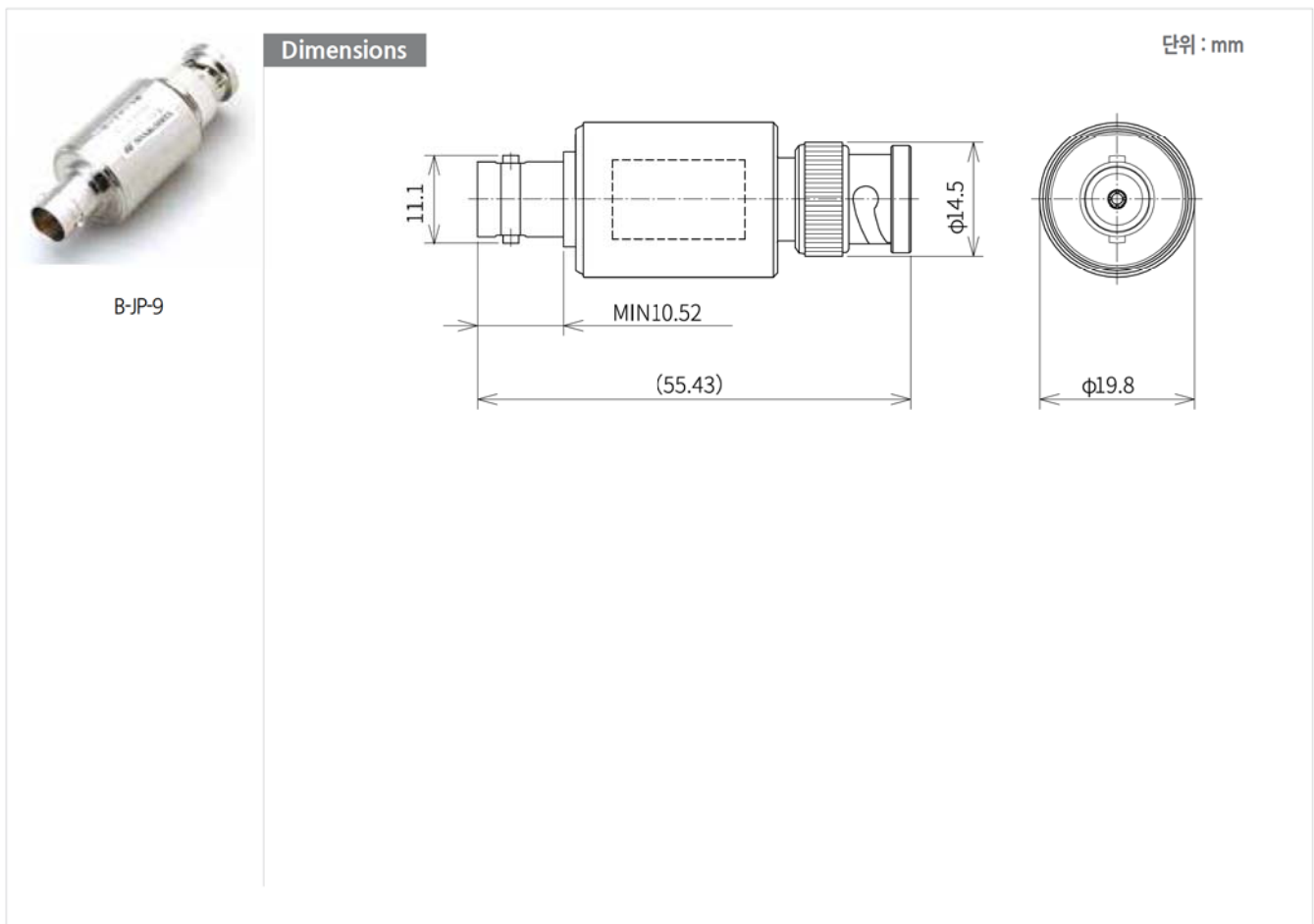
동축용 B-JP-7/B-JP-8 제품상세



동축용 B-JP-9 제품사양

형 명		B-JP-1(50Ω)
최대연속동작전압 U_c (MCOV, 서지보호기에 걸리는 전압)		DC 120V or more
전압보호수준 U_p (서지가 억제되는 전압 수준)		700V or less
DC sparkover voltage		DC120V or more
저항		75Ω
Permissible power		10W
Impulse durability (two lines together)	Category C2 (8/20μs) KA	5kA (10 times)
	Category D1 (10/350 μs)KA	2.5kA (2 times)
Connector type		BNC type (J-J)
Frequency bandwidth		DC to 3GHz
Insertion loss		0.5dB or less

동축용 B-JP-9 제품상세



■ 제품 인증서



EU Declaration of Conformity

Ref. Number: SDC0101701

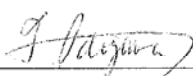
We declare under the solo responsibility that the product described below is in compliance with the following directive.

Product Name: Surge protective device
Model Name: MZS-200AV and MZS-NPE
Directive: LVD 2014/35/EC

The above product has been evaluated for conformity with Low Voltage Directive by the following European standard.

Applicable Standard:
Using the following Harmonized standards EN61643-11:2012

Company Logo: 
Manufacturer: SANKOSHA CORPORATION
Date of Issue: 1 February, 2017
Company Name/ Address of Declarant: SANKOSHA CORPORATION
4-3-8, Osaki, Shinagawa-ku, TOKYO
141-0032, JAPAN


Teruo Idogawa / Director

제품 인증서

2017. 12. 7.

QVGQ.E140906 - Isolated Loop Circuit Protectors



ONLINE CERTIFICATIONS DIRECTORY

QVGQ.E140906 Isolated Loop Circuit Protectors

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Isolated Loop Circuit Protectors

[See General Information for Isolated Loop Circuit Protectors](#)

SANKOSHA CORP

E140906

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SHINAGAWA-KU
TOKYO, 141-0032 JAPAN

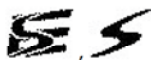
LAN data line protectors, Model(s) LAN-1000BO

LAN protector modules, Model(s) L-13KIS-1G, LAN-1000IS-2 (+)

PoE and LAN data line protectors, Model(s) LAN-CAT5e-P, LAN-CAT5e-P+, LAN-CAT5e-P+II

(+) - Intended for use in a Listed Enclosure or Telecommunications Closet only accessible by service personnel.

Trademark and/or Tradename:



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Lightning Protection System of KOREA



주식회사 엘피에스코리아

서울특별시 서대문구 경기대로 47 102호(충정로2가,진양빌딩)

TEL : 02-365-9901 | Fax : 02-6008-8873 | E-mail : lps@lpskorea.com