



SAASPD

Model 001

The SAASPD is a surge protection device (SPD) designed specifically to protect Measurand ShapeArray from electrical surges caused by distant lightning strikes. As with any equipment, there is virtually no protection provided if lightning strikes the cable directly. To be effective the SAASPD is to be inserted as an interruption in the ShapeArray cable near the ShapeArray and connected to a grounding rod or plate using #8AWG (8.37 mm²) copper wire. In the event a large surge destroys the SAASPD you will want to locate it so that it can be accessed for replacement.

Related products: SAAF, SAAX, SAA232, SAA232-5

SPECIFICATIONS



PHYSICAL PROPERTIES

LENGTH	210 mm
WIDTH	40 mm
HEIGHT	44 mm
UNPOTTED WEIGHT	0.29 kg
APPROXIMATE POTTED WEIGHT	0.4 kg

COMPONENTS PROTECTING RS485 COMMUNICATIONS CONDUCTORS

1 x TVS diode array -7V +12V 400W 8x20s wave, Bourns Inc. part number, CDSOT23-SM712

4 x TBU (Transient Blocking Unit) 300mA 650V, Bourns Inc. part number TBU-CA065-300-WH

4 x GDT (Gas Discharge Tube) 90V 10kA 8x20s, Bourns Inc. part number 2035-09-SM-RPLF

COMPONENTS PROTECTING POWER CONDUCTORS

1 x TVS diode 18V 1500W 10x1000s wave, Bourns Inc. part number SMCJ18A

2 x Capacitor 1000pF 2KV, Johanson Dielectrics Inc. part number 202R29W102KV4E

2 x Inductor 10H 5.5A , Bourns Inc. part number SRR1260-100M

2 x GDT 90V 10kA 8x20s, Bourns Inc. part number 2035-09-SM-RPLF

2 x GDT 150V 10kA 8x20s, Bourns Inc. part number 2035-15-SM-RPLF

PROTECTION LEVELS

IEC 61000-4-2 ESD (Min. Level 4)

IEC 61000-4-4 EFT

IEC 61000-4-5 Surge