



PD Devices - SSI Series

All-mode surge arresters designed to improve Solid State Interlock performance



Network Rail approved - PA05/05212

Reduce failure rate of Trackside Functional Modules

Improve SSI performance and increase service life of equipment

The SSI series from PD Devices has been developed in conjunction with Network Rail to reduce the failure rate of Trackside Functional Modules.

The SSI all-mode surge protectors are fully Network Rail approved and have been specifically designed to improve the Solid State Interlock (SSI) performance, therefore, prolonging the service life of the equipment. The products provide two stage redundant protection of the 120V and 140V power supplies in the SSI equipment cases and use technology that has been proven in locations with some of the highest Keraunic levels worldwide.

Product benefits

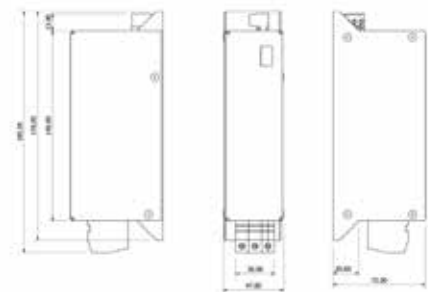
- Network Rail Approved - PA05/05212
- Improves SSI Performance
- Enhances service life of equipment
- Reduces failure rate of Trackside Functional Modules
- Proven in locations with the highest Keraunic levels worldwide
- Available in 120V and 140V
- Provides protection for signals, points and level crossings
- Quick and easy installation
- Powder Coated Robust Metallic Housing



Specifications	
Catalogue No.	120V: 0086/000060 140V: 0086/000061
Part Codes	120V: DSP1A/SSI/120 140V: DSP1A/SSI/140
Operating Voltage Range (AC or DC)	120V: 90 to 150V rms or DC 140V: 90 to 165V rms or DC
Nominal Voltage (AC or DC)	120V rms or DC 140V rms or DC
Frequency Range (For AC installation)	40 to 60 Hz
Maximum Surge Current, I _{max} (8/20μs)	30kA
Voltage protection level, U _p (6kV/3kA CWG)	120V: 400V 140V: 500V
Response Time	<10ns
Power Consumption (Nominal)	18mA
Earth Leakage Current	200μA
Screw Terminals	16mm ² max - Line, Neutral, Earth 2.5mm ² max - Remote Signalling
Volt-Free Remote Signalling Terminals	Rated at 240V rms, 0.2A or 30V DC, 2A
Status Indication	Green - Full Protection Red & Green - Reduced Protection Red - No Protection
Operating Temperature*	-40 °C to +70 °C
Case	Steel, Epoxy Coated
Dimensions (mm)	186 L x 47 W x 72 H



DSP1A Dimensions



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