

## Gel Sealed Station Protectors

### TELECOM OUTSIDE PLANT

The same high-quality connection found in Tyco Electronics' distribution terminals is available in a station protector. The DataGuard GSSP gel sealed station protector, a one-pair station protector, functions as the primary protection device, providing sealed wire connections in the Telephone Network Interface.

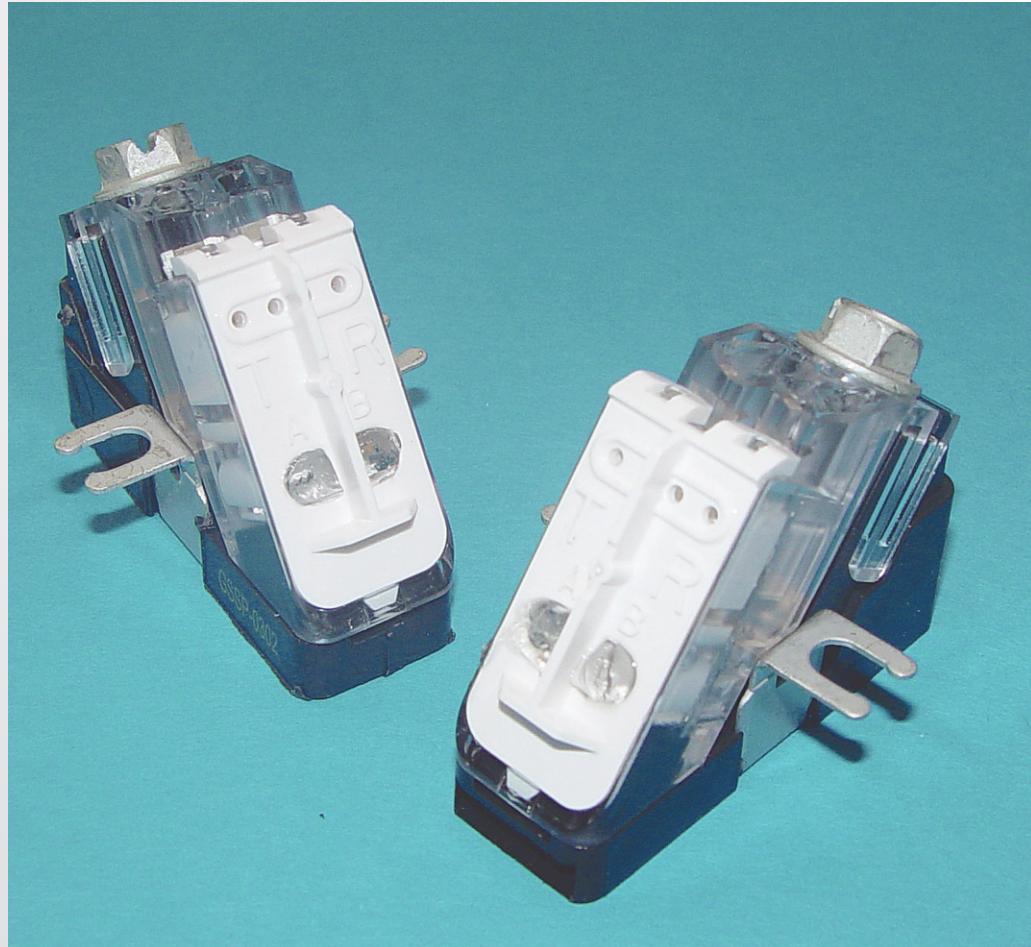
The DataGuard GSSP station protector can be installed easily in the field by Telco crafts people. All connections are created with insulation displacement connecting (IDC) blades and environmentally sealed with GelGuard sealing gel. No wire stripping or special tools are required to create connections.

The GSSP protection module is available as a stand alone item or in a variety of housings.

Note that an electrically unprotected version, known as the GSXC module is also available.

#### Product Information

- Tyco Electronics' GelGuard sealing gel technology provides superior performance and is specifically formulated for environmentally demanding terminal applications.
- Fail-Safe/Vent-Safe or Fail-Safe Only protection is provided by a balanced coaxial gas dis-charge tube and backup devices.
- Electrical integrity and low contact resistance are assured even under adverse conditions.
- Gel-protected test ports in the top of each driver module facilitate fast, easy testing with standard test clips.
- The GSSP station protector is UL Listed and meets the sealing requirements of Telcordia specification TR-NWT-000975.



#### Fast Installation

- Easily accessed with standard tools, the angled face ensures good wire alignment.
- The easily installed single-pair module accommodates flexible configurations and retrofitting for existing field applications.
- The angled driver design features 6 wire entry ports; 2 large ports that accommodate 18-24 ga dropwire; 4 smaller ports that accommodate 22-26 AWG subscriber bridge wires.
- Dropwire can be connected and disconnected without disconnecting the subscriber bridge(s).
- No stripping of wire insulation is required.

#### Versatility

- Fits most current Network Interface housing types using TII 355/356 family protectors.
- A unique break-off ground tab accommodates various mounting arrangements.
- A unique IIDC (Inverted Insulation Displacement Connector) accommodates a range of drop wires from 18-24 AWG (1.02 - .5mm), including 18.5 AWG (1.0mm) steel F-drop.
- The design features 3-pair bridging capability (1 in / 2 out)

# DataGuard GSSP

## Gel Sealed Station Protector

### Electrical Parameter

DC Breakdown Voltage	265 - 600 Vdc
DC Holdover	135V Minimum @ 200mA
Maximum Single Impulse Discharge Current	20kA 10kA/Side Simultaneously 8/20 waveform

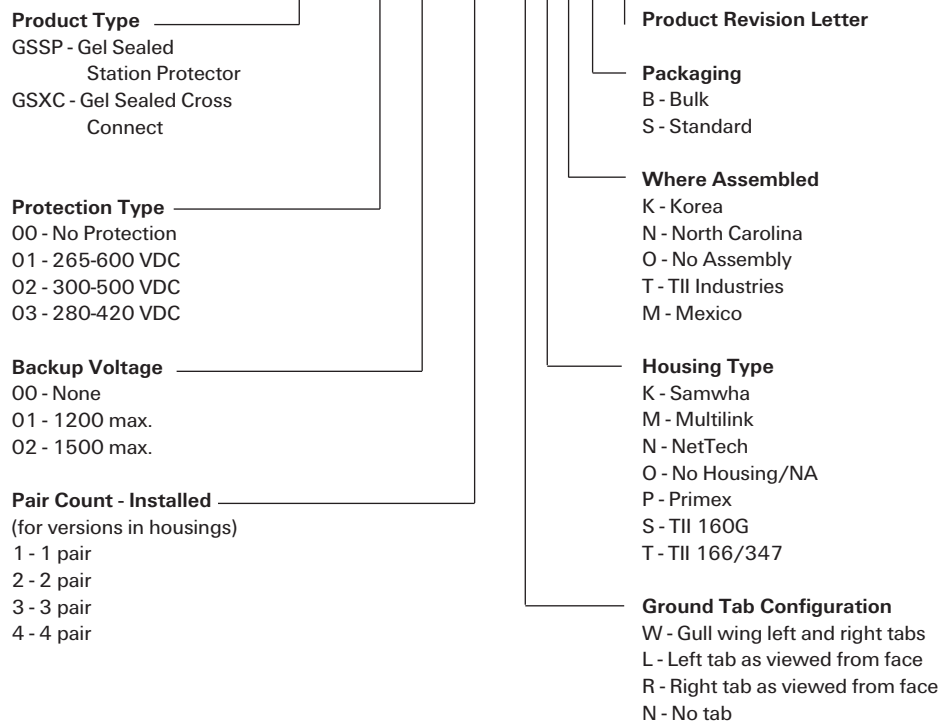
### Impulse Life

10 Amp, 10/1000 $\mu$ sec waveform	1500 Surges Minimum
100 Amp, 10/1000 $\mu$ sec waveform	100 Surges Minimum
300 Amp, 10/1000 $\mu$ sec waveform	50 Surges Minimum

### AC Discharge Current

10 Amp, 1 Second	5 Operations Minimum
1 Amp, 1 Second	60 Operations Minimum
*Capacitance	<30pF
*Impulse Breakdown Voltage @ 100V/ $\mu$ sec	500V Typical 1000V Maximum
*Insulation Resistance @ 50Vdc	100 Megohms Minimum
*Line to Ground	

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