

tyco

Electronics

Raychem

DataGuard GSSP

Gel Sealed Station Protector

The same high-quality connection found in Raychem's distribution terminals is now 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 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 gel. No wire stripping or special tools are required to create connections.

The DataGuard GSSP protector is setting a new standard for today's Network Interface design, providing the most reliable station protection available on the market.

The GSSP protector is a strategic component in the DataGuard family of sealed components for advanced Network Interface systems.



DataGuard GSSP

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Gel Sealed Station Protector

Product Information

Reduce Report Rates

- Raychem's GelGuard technology provides superior performance and is specifically formulated for environmentally demanding terminal applications.
- Fail-Safe/Vent-Safe protection is provided by a balanced coaxial gas discharge 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 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 4 ports for small group wire terminations (2 pairs), and 1 port for large gauge wire terminations (1 pair). You can add a second small gauge pair without disturbing the first.
- IDC for output connections accommodates 22-26 AWG (.65 - .4mm) output wires without stripping the insulation.

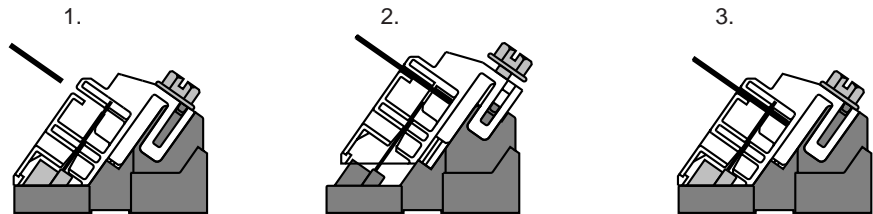
Versatility

- 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)

Installation Summary

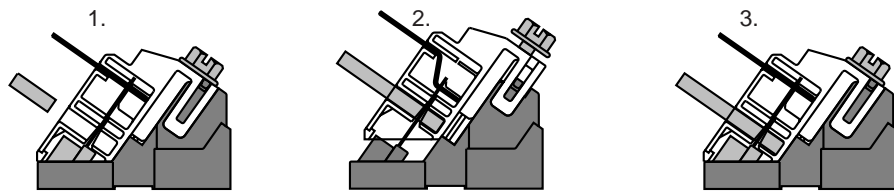
Small Gauge Termination

1. Screw driver to up position.
2. Insert wire and hold in place.
3. Screw driver to down position.



Large Gauge Termination (small gauge termination complete)

1. Screw driver to the up position.
2. Insert wire and hold in place.
3. Screw driver to down position



Electrical Parameters

DC Breakdown Voltage	265 - 600 Vdc
DC Holdover	135V Minimum @ 200mA
Maximum Single Impulse	20kA
Discharge Current, 8/20 waveform	10kA/Side Simultaneously
Impulse Life:	
10Amp, 10/1000 μ sec waveform	1500 Surges Minimum
100Amp, 10/1000 μ sec waveform	100 Surges Minimum
300Amp, 10/1000 μ sec waveform	50 Surges Minimum
AC Discharge Current	
10Amp, 1 Second	5 Operations Minimum
1Amp, 1 Second	60 Operations Minimum
*Capacitance	<30pF
*Impulse Breakdown Voltage @ 100V/ μ sec	500V Typical 1000V Maximum
*Insulation Resistance @ 50Vdc	100 Megohms Minimum

*Line to Ground

Raychem

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