Surge Arresters
D9000 Series

06

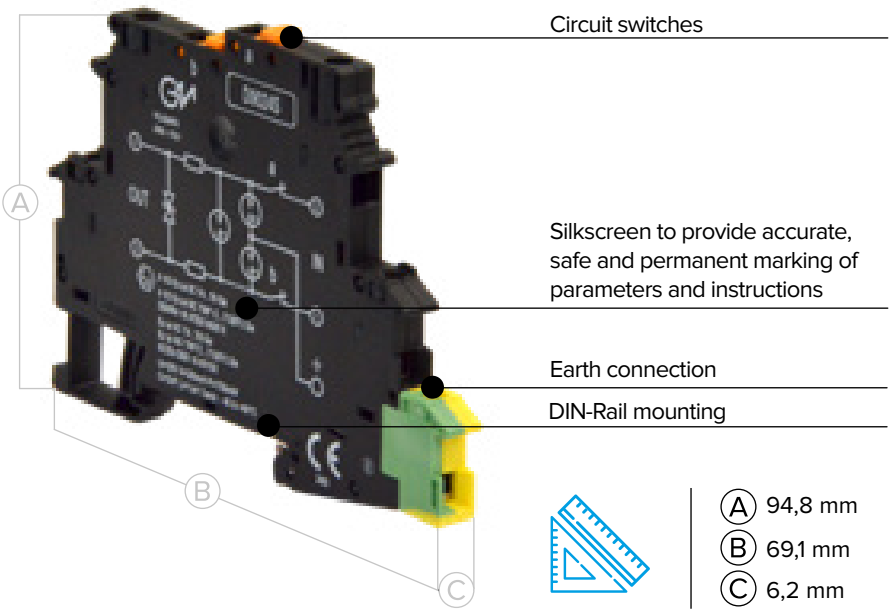
D9000 series provides surge protection for all kinds of applications in different industries such as Oil&Gas, Petrochemical, Steel etc. avoiding signal interruption and protecting control room equipment.



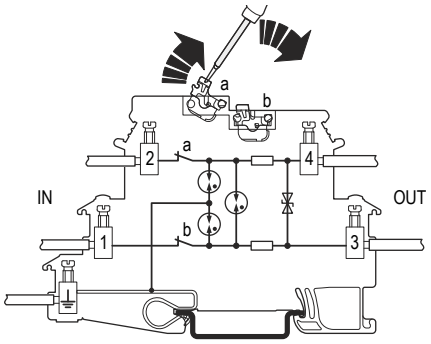
STRENGTHS

- **Easy maintenance:** Integrated knife disconnection technology for each channel
- **Quick wiring:** Grounding path via contact to DIN rail
- **Reduced spare inventory:** Surge protection for most I/O signals; AI, AO, DI, DO. Nominal 24V DC, maximum 36V (Both I.S. And N.I.S.)
- **Increases the Discharge capacity and reduces the response time:** 2-stage protective circuit (Diode, Gas-Discharge Tube)
- **Unlimited IS applications:** Input from Zone 0 (Zone 20), installation in Zone 1 and 2
- **Fits in any SIL loop:** SIL3 Certification
- **Protection Level:** up to 20 KA
- **Local & remote Faster maintenance reaction time:** Versions available with Fault Indication
- **Simple testing and documentation, reduced downtime:** Available with Hot Swap Plug module
- Safe disconnection and signaling in case of overload

D9024S Structure



A 94,8 mm
B 69,1 mm
C 6,2 mm



a. Screwdriver operable switch on line between terminals 2 and 4.
b. Screwdriver operable switch on line between terminals 1 and 3.

Universal Din Rail Surge Arrester

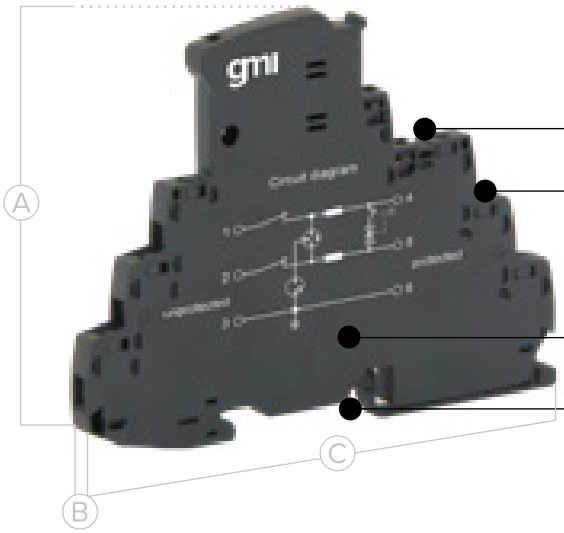
D9024S modules provide two-stage, **SIL 3**, surge protection for floating I/O signals for measurement in control and safety systems.
Its slim width of **only 6mm** allows for easy fitting into any marshalling or distribution cabinet saving space and installation costs.
Disconnect knife on both signal paths are featured for easy testing of the loop.

Only 6,2 mm wide: Easy fitting

FEATURES

- **SIL 3** according to IEC 61508:2010 Ed.2
- Input from Zone 0 (Zone 20), installation in Zone 1 and 2
- Disconnection of signal circuit by disconnect knife
- Protection of a floating double wire in intrinsically safe circuits
- High Density, 6.2 mm per channel
- HART compatible

D9400/D9500
Structure



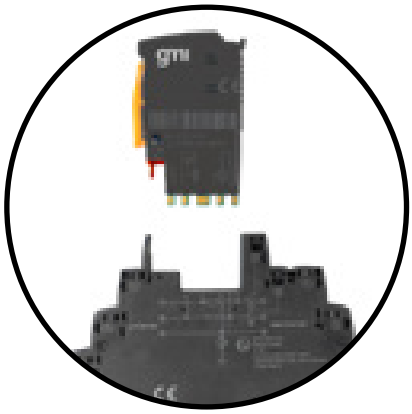
Circuit switches

Terminal blocks

Silkscreen to provide accurate, safe and permanent marking of parameters and instructions

DIN-Rail mounting

Ⓐ D9400:84 mm
D9500: 103 mm
Ⓑ 6,2 mm
Ⓒ 106 mm



D9510S (2 wires) / D9520S (3 wires) versions with unpluggable module

Cartridge & Fault Indication Surge Arrester

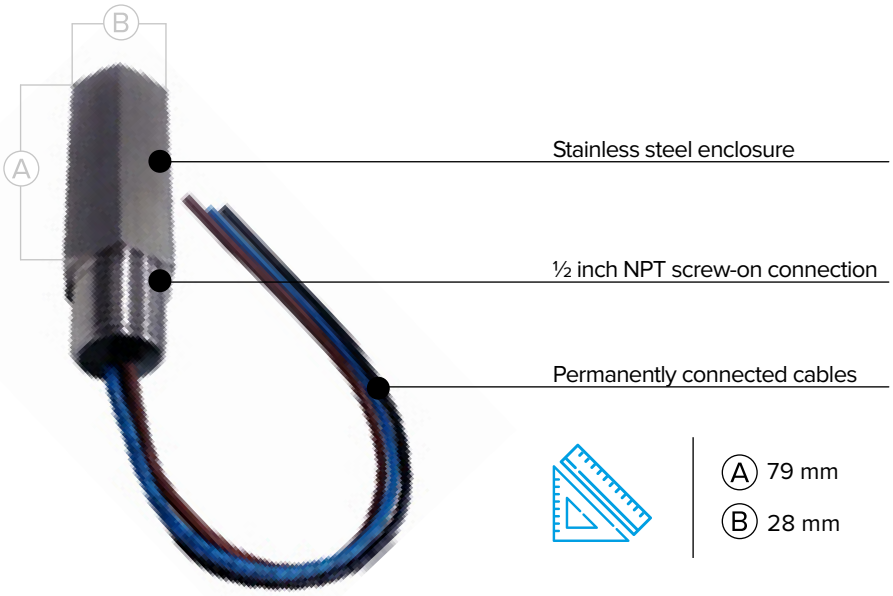
D9400/D9500 provides surge protection for floating I/O signal circuit in a SIL 3 compact package with or without **removable cartridge** configuration. The pluggable module and disconnect knife enable easy testing.
Also featured **local and remote module fault indications**.
In the event of an overload, a status indicator identifies the disconnection of the protective element without the need of auxiliary power supply; a remote indication set, for up to 40 modules at a time, is also available.
Intrinsically safe certified for use in IS loops and for hazardous area installation.

Local & Remote Alarm Indication

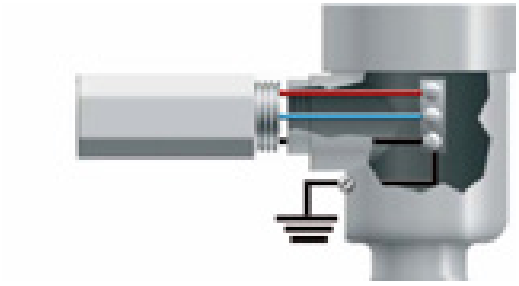
FEATURES

- **SIL 3** according to IEC 61508:2010 Ed.2
- Local and Remote Fault Indication
- Disconnection of signal circuit by disconnect knife
- **Hot** Removable plug module version available (D9500 version)
- EX-i Certified
- High Density 6.2 mm per channel
- Protection of a floating double wire in intrinsically circuits
- HART Compatible

D9324S
Structure



Ⓐ 79 mm
Ⓑ 28 mm



Blue and brown: Floating circuit lines
Black: Earth connection

Screw-on S.S. Surge Arrester

D9324S provides surge protection for floating I/O signal circuit in a screw-on module Ex-d certified and with IP67 protection for sensor heads; connection 1/4" NPT.

Suitable for installation onto explosion proof enclosures for a wide range of applications.

Field Instrument Protection

FEATURES

- **SIL 3** according to IEC 61508:2010 Ed.2
- Input from Zone 0 (Zone 20), installation in Zone 1 and 2
- Protection of a floating double wire in intrinsically safe circuits
- Suitable for explosion proof enclosures
- HART compatible

Via Lirone 60/i, Castel Maggiore (BO) 40013
e-mail: info@eurotecsrl.com Website: www.eurotecsrl.com
Tel: +39 051/6321595 C.F. 04103780377 P.I. 01596581205