

G.M. International Intrinsically Safe Isolators Accessories



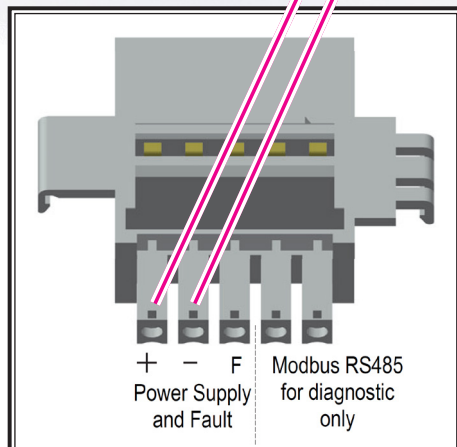
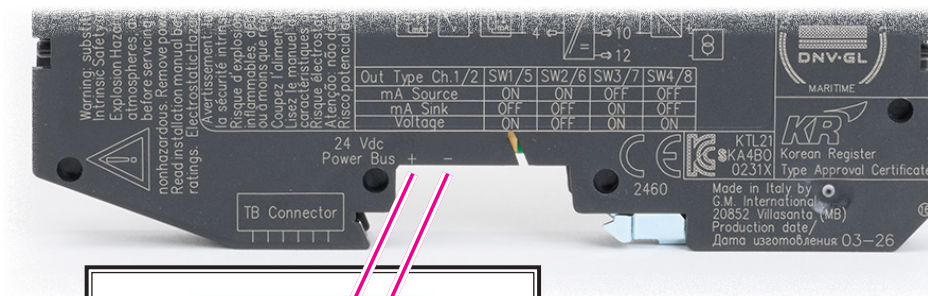
Benefits of Using Power Bus Connectors

- Quick, easy wiring
- Can be installed on standard DIN rail without tools by simply snapping into place
- Can be expanded at any time with additional power bus units
- Suitable for industrial environments subject to vibration

G.M. International Intrinsically Safe Isolators Accessories				
Part Number	Price	Description	For Use With	Drawing
<u>JDFT049</u>	\$22.50	Power bus connector	D5000 12mm isolators	<u>PDF</u>
<u>JDFT050</u>	\$28.00	Power bus connector	D5000 22mm isolators	<u>PDF</u>
<u>OPT5096</u>	\$37.00	Mounting brackets and end terminal set	D5000 isolators	<u>PDF</u>

[JDFT049](#)[JDFT050](#)[OPT5096](#)

Pln-Out



Several of these modules (including the [D5014D](#), shown here as an example) provide access to signals via the power bus. The signals that are available for each module are printed on the side of the unit.

Installation Detail For Power Bus Connectors



G.M. International Intrinsically Safe Isolators

**D5040D****D5232Q**

Overview

G.M. International's D5000 series uses state-of-the-art solutions to achieve the highest performance for Intrinsically Safe applications and is recognized by more than 15 certification bodies all over the world.

Intrinsically Safe Galvanic Isolators provide the most simple and cost effective means of implementing Intrinsic Safety into hazardous area applications.

Features

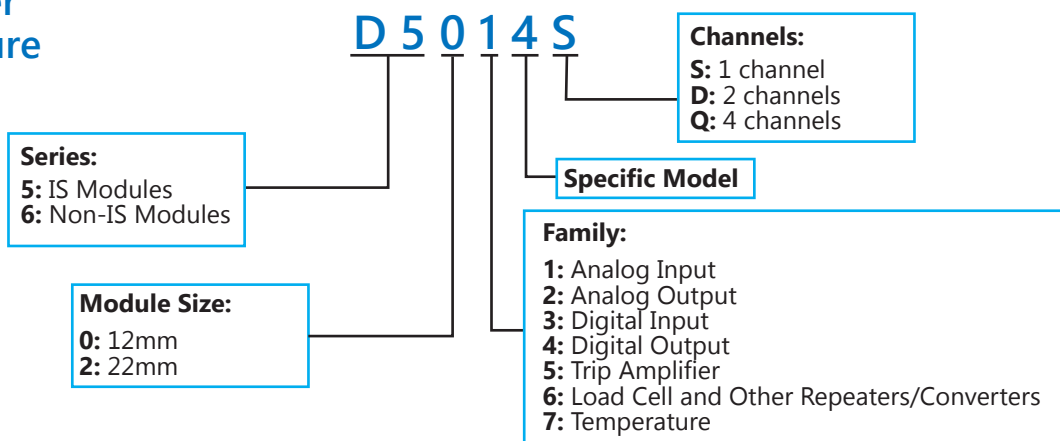
- Reduced foot print: high density, 6mm per channel
- Low power consumption
- Reduced cooling needs: low heat dissipation
- Suitable for indoor and outdoor use: certified -40 to +70 °C
- Resilience to surges: 2.5 kV isolation
- Resistant to harsh environments
- Lower ownership cost: certified for 20 years of operation

G.M. International Intrinsically Safe Isolators Selection Guide

Part Number	Price	Isolator Type	Field Device	Channels	Controller Side (PLC/DCS)	Drawing
Analog Input (From Hazardous Area)						
D5014D	\$484.00	Analog input repeater/splitter	(2) 4–20 mA HART	2 in / 2 out	(2) 4–20 mA HART	PDF
Analog Output (To Hazardous Area)						
D5020D	\$561.00	Analog output repeater/splitter	(2) 4–20 mA HART	2 in / 2 out	(2) 4–20 mA HART	PDF
Digital (Discrete) Input (From Hazardous Area)						
D5030D	\$291.00	Digital input repeater/splitter	(2) NAMUR* sensors (2) dry contacts	2 in / 2 out	(2) Configurable contacts	PDF
D5232Q	\$415.00	Digital input repeater/splitter	(4) NAMUR sensors (4) dry contacts	4 in / 4 out	(4) Configurable contacts	PDF
Digital (Discrete) Output (To Hazardous Area)						
D5040D	\$369.00	Digital output repeater/splitter	Up to 60 mA at 18.2 VDC	2 in / 2 out	(2) 18–30 VDC	PDF
Temperature Transmitter (From Hazardous Area)						
D5072D-096	\$701.00	Temperature repeater/splitter	(2) Thermocouple	2 in / 2 out	(2) Equal to input	PDF
Load Cell Strain Gauge Transmitter (From Hazardous Area)						
D5263S	\$749.00	Load cell strain gauge repeater	(4) 350Ω or (5) 450Ω or (10) 1000Ω in parallel	1 in / 1 out	(1) Resistance equal to input	PDF

* A NAMUR sensor is an intrinsically safe 2-wire sensor which supplies one of two signal levels depending on sensor state.

Part Number Nomenclature



Safety Products



Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.

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