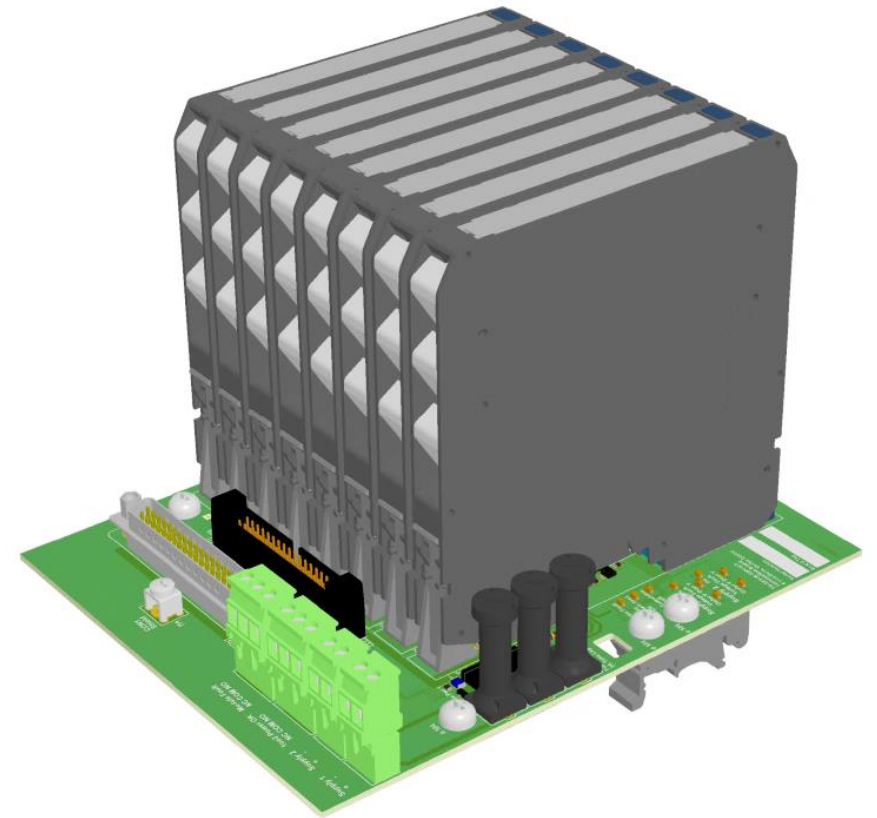


G.M. International Termination Boards

Customized and universal Termination Boards
for 8/16 Units, 32/64 Channels

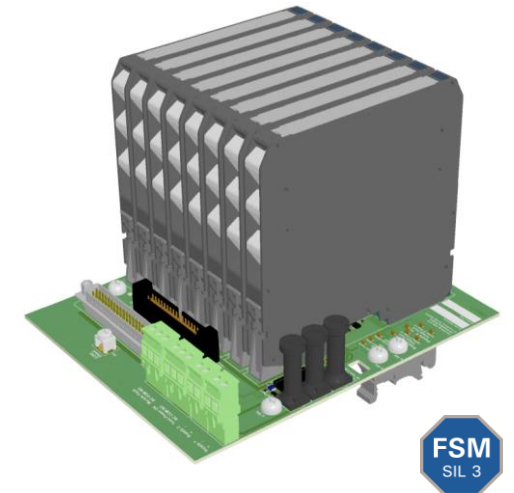
Series D5000TB and TB-D5001-HRT



G.M. International Termination Boards

Standard and customized Termination Boards

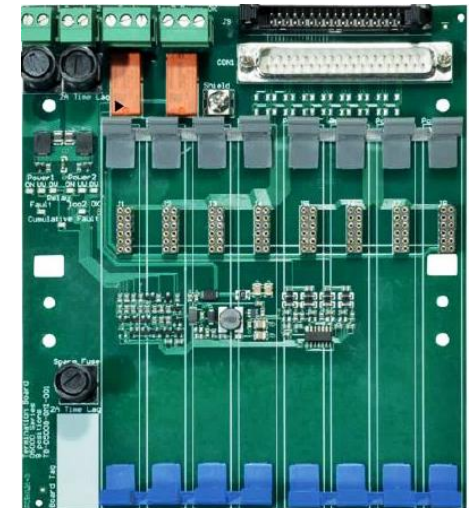
G.M. International offers a wide range of **standard or customized** Termination Boards for 8/16 units (32/64 channels) for an **easy interaction** with instrumentation of main manufacturers such as Invensys Foxboro, ABB, Triconex, Yokogawa, Honeywell and many others.



Our termination boards are also available with the new **HART Interface System** that drastically reduces the number of multiplexer modules.

General features:

- Power supply redundancy and monitor
- Common fault repeater
- Mounting hardware for DIN Rail or Wall



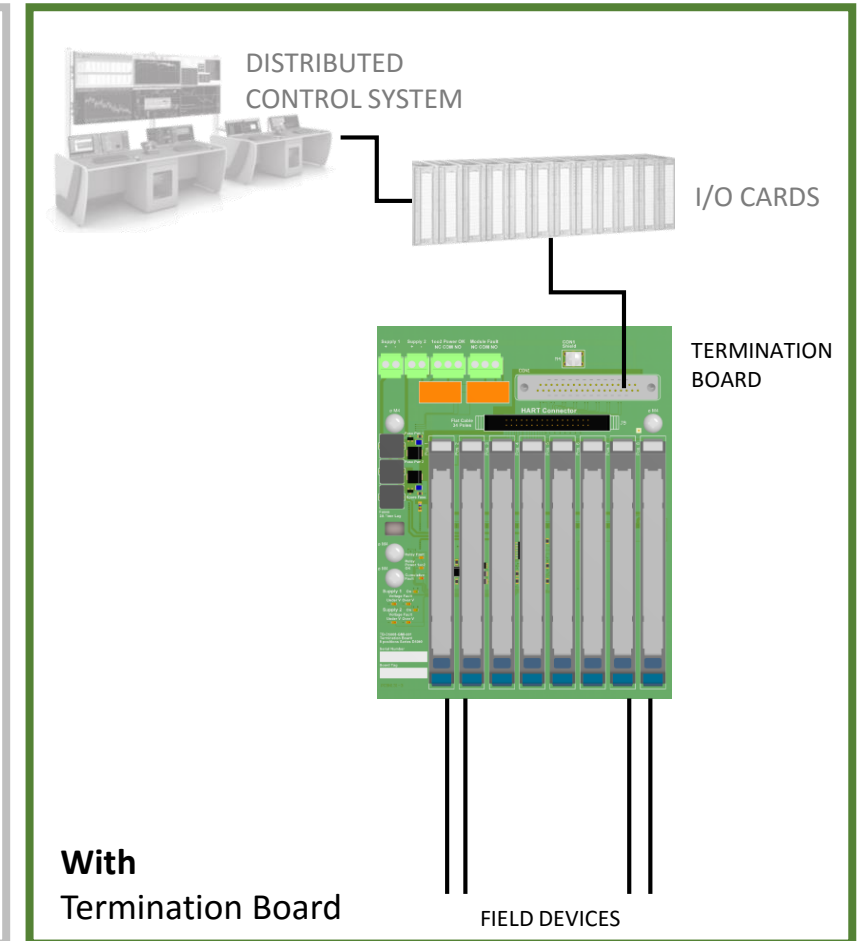
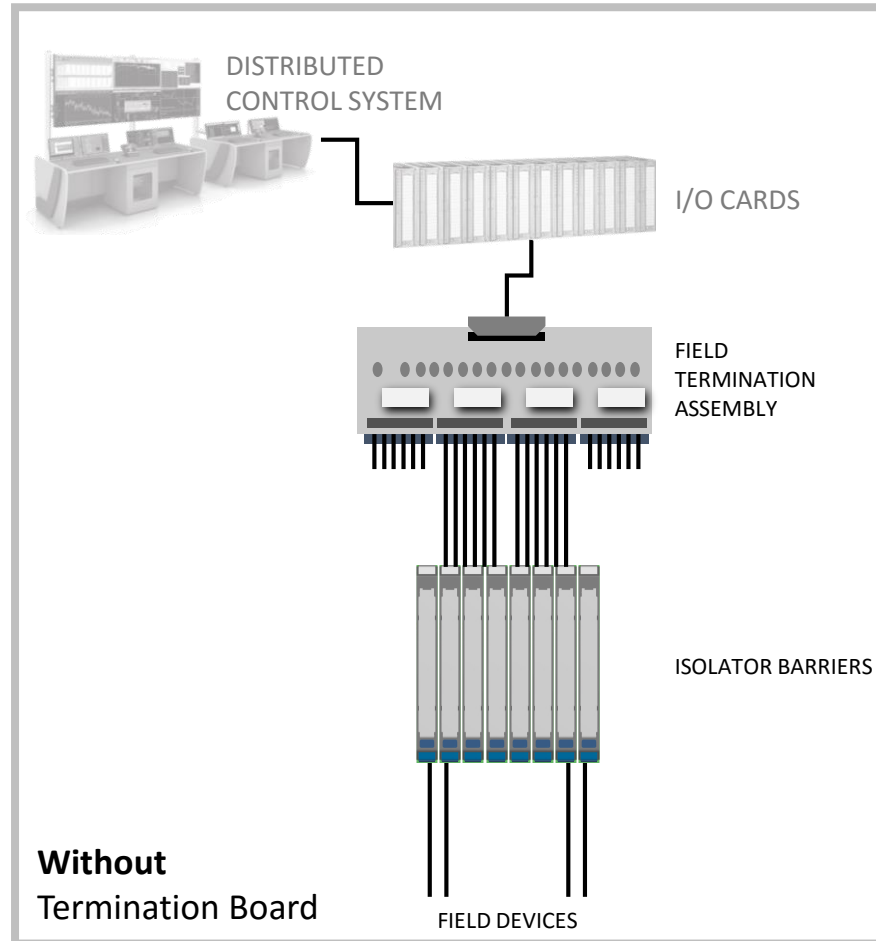
TECHNOLOGY FOR SAFETY

G.M. International Termination Boards

System overview - Example

Benefits:

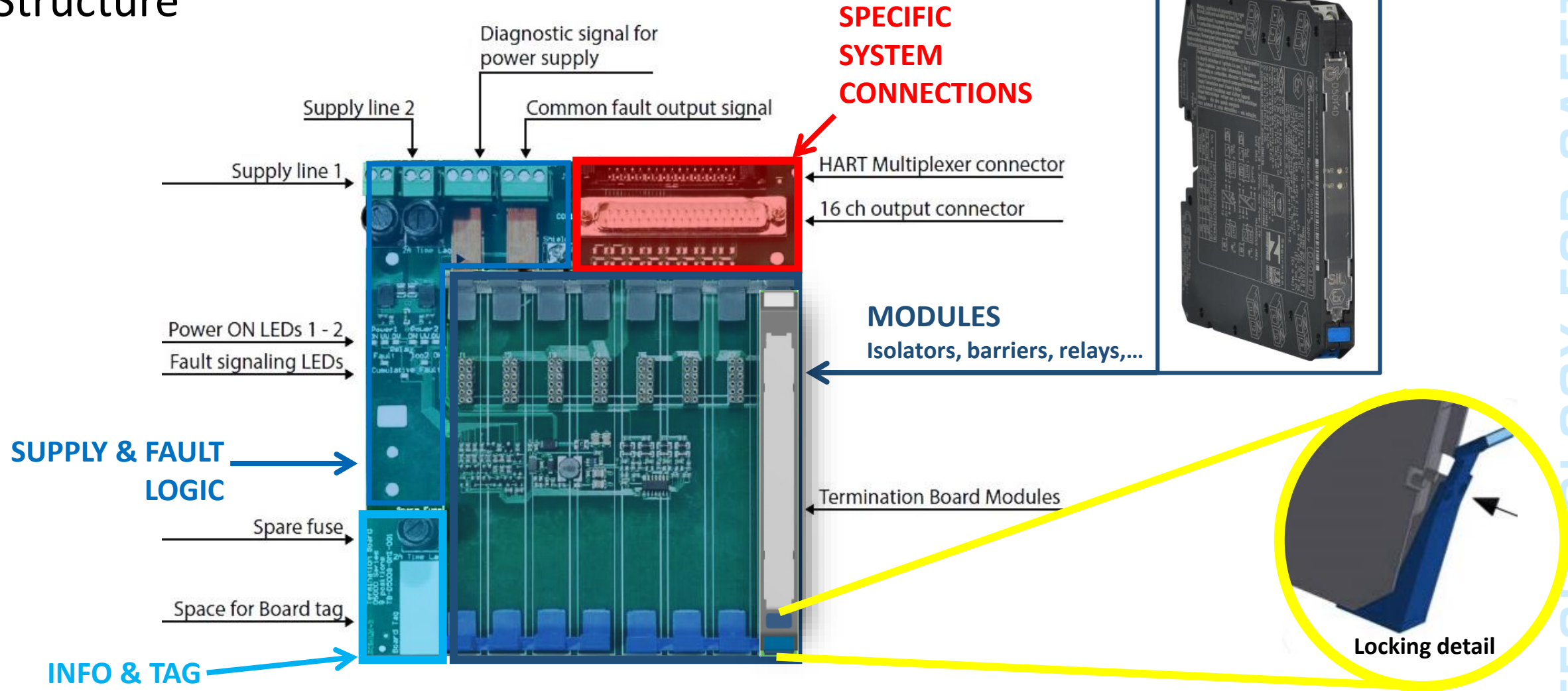
- Less cables installation
- Lower maintenance
- Reduced costs
- Easy interaction
- Customized solution



TECHNOLOGY FOR SAFETY

G.M. International Termination Boards

Structure

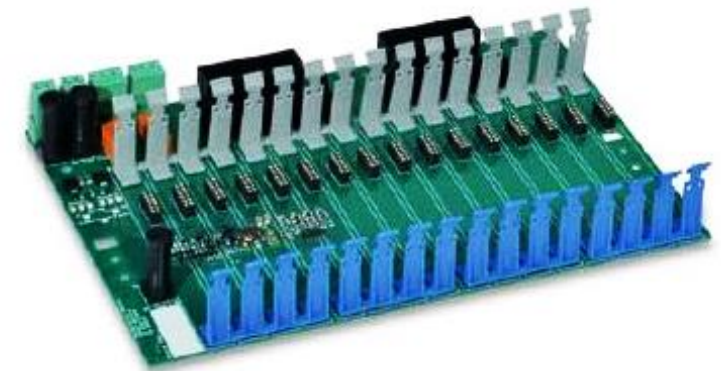


TECHNOLOGY FOR SAFETY

G.M. International Termination Boards

Main features

- Suitable to host 8/16/32 D5000 or D5200 SIL 3 modules
12.5mm/22.5mm wide, single or double channel, up to 64 channels
- AI/AO – DI/DO – Temperature: Single or double channels
- Signal converter, Safety Relay: Single or double channel
- 24 Vdc redundant power supply, with window voltage monitoring
and corresponding relay fault output
- Boards are available with custom connectors to directly interface
any system PLC / DCS / ESD*
- Cumulative fault relay output
- Redundancy available



**Reference list on page 13*

G.M. International Termination Boards

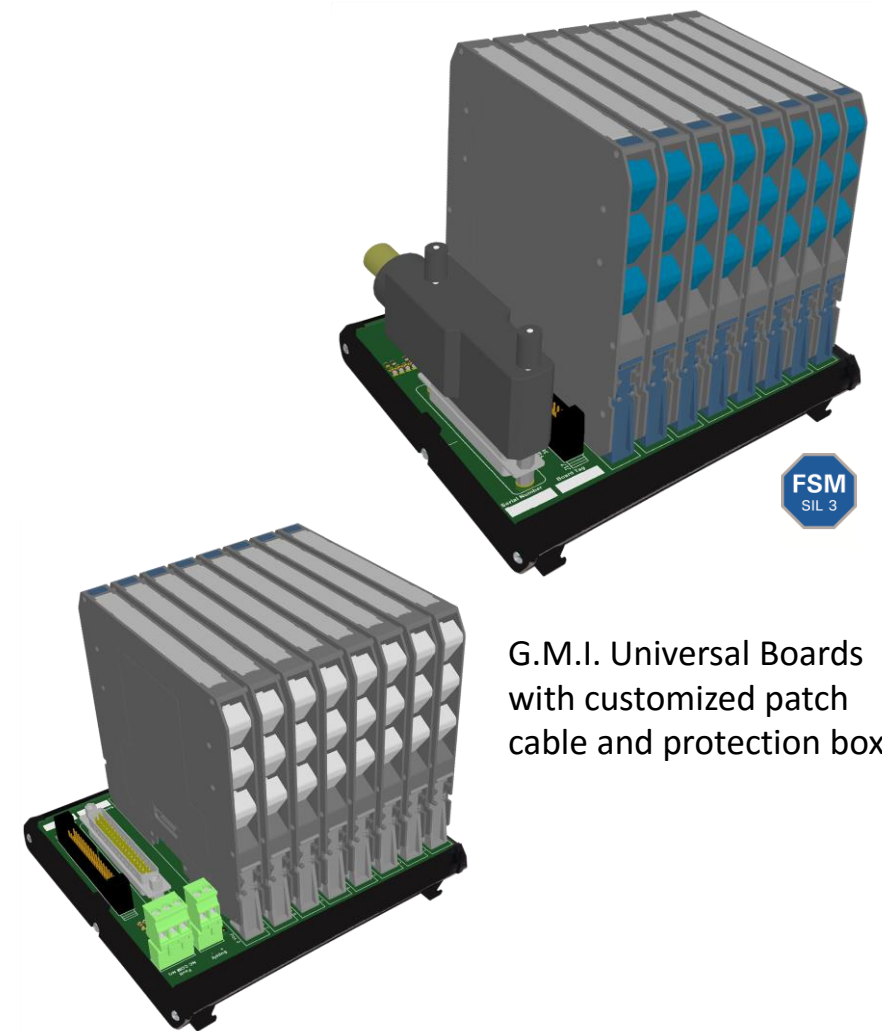
Universal Termination Boards

G.M. International also offers a complete range of standard Termination Boards with **customizable patch cable** and **universal modules**.

Our range of universal Termination Boards supports isolators modules which are compatible with analog or digital inputs, for IS and Non-IS signals*.

Features:

- Customizable patch cable
- Universal modules for different system solutions
- Compatible with: AI/AO – DI/DO – Temperature signals
- For IS and Non-IS signals



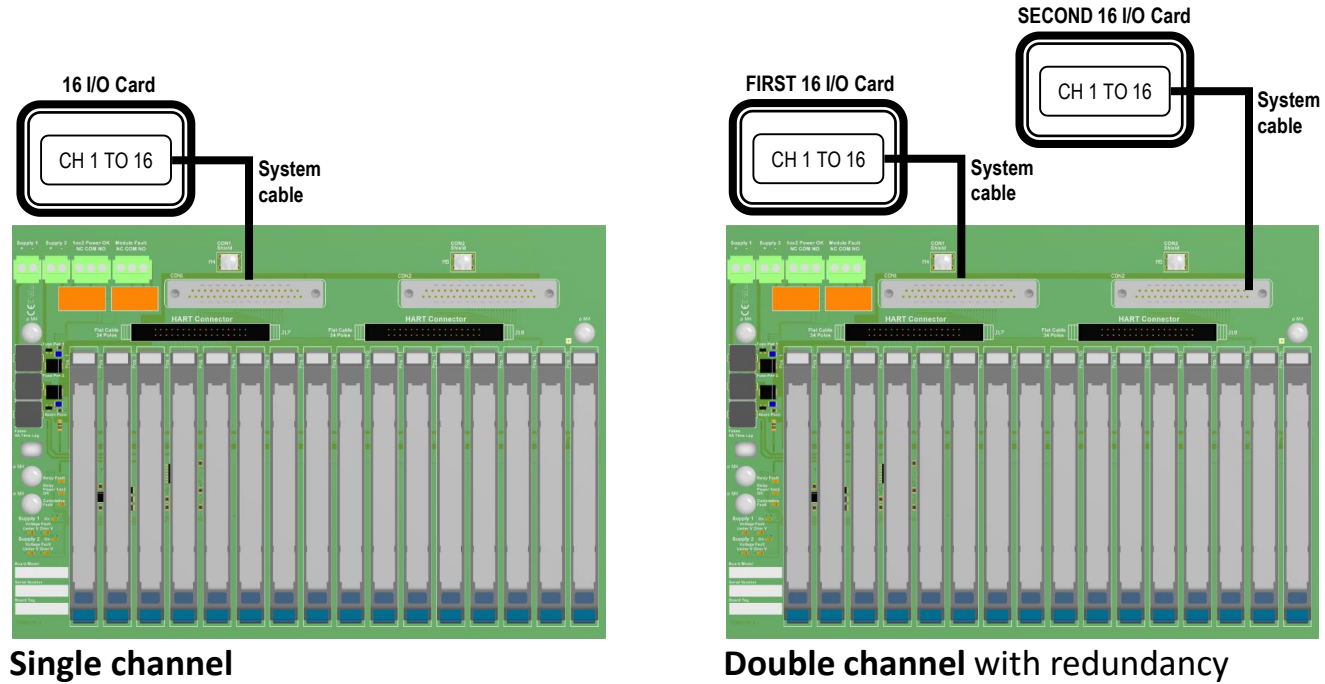
G.M.I. Universal Boards with customized patch cable and protection box

** IS and Non-IS modules cannot be mixed by law*

G.M. International Termination Boards

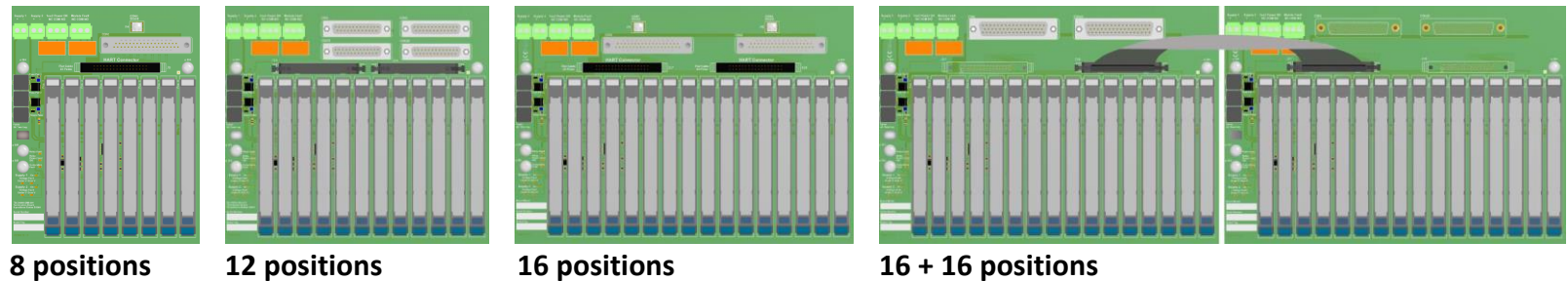
Universal solution for single or double channels, also with redundancy

The same board is configurable for single or double channel, also with redundancy.



Configurations

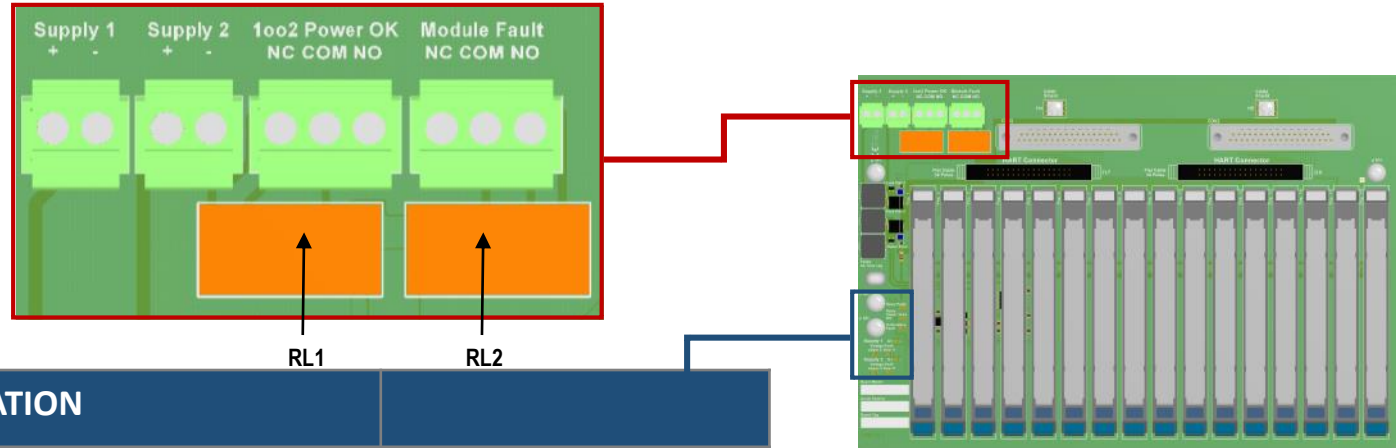
Our Termination Boards can be easily configured to fit to your application.



TECHNOLOGY FOR SAFETY

G.M. International Termination Boards

Power Supply and Common Fault Logic

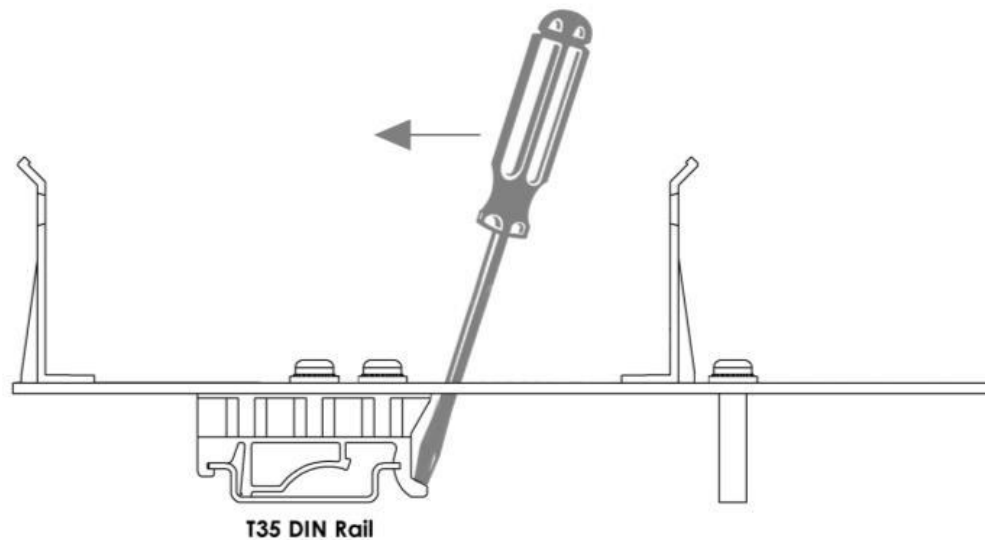


TAG	ACTIVATION	
1oo2 Power OK (RL1)	The relay is energized when both supply voltages are within the regular range (>18 V and <30 V), i.e. when “Relay 1oo2 Power OK” yellow LED is on.	
Module Fault (RL2)	The relay is energized when the following two conditions hold: <ol style="list-style-type: none"> at least one voltage supply is within the regular range (>18 V and <30 V) no module/barrier fault is reported Therefore, the relay is energized when the “Fault” yellow LED is on.	

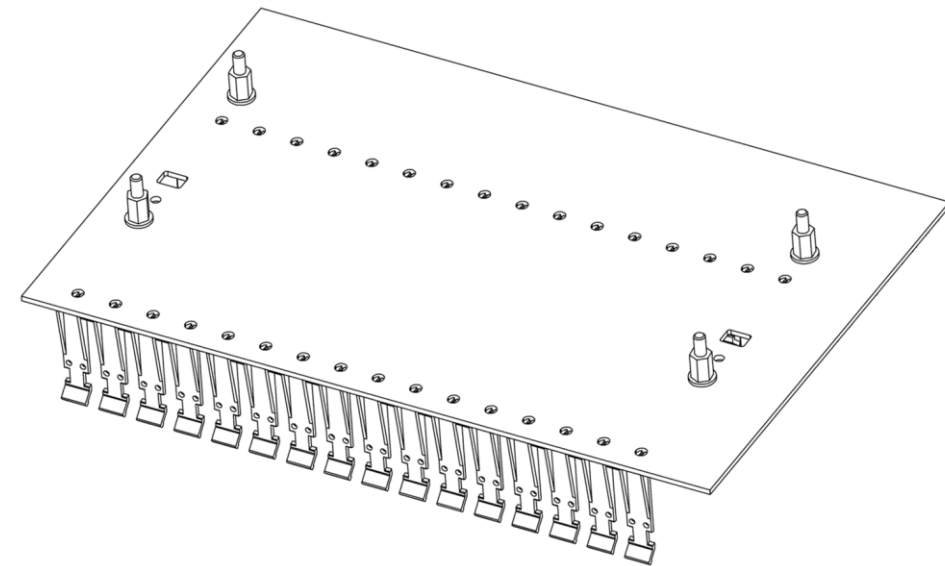
TECHNOLOGY FOR SAFETY

Mounting options

All G.M. International Termination Boards are provided with **mounting kit** to easy fit to DIN rail or wall mounting options.



DIN Rail mounting system



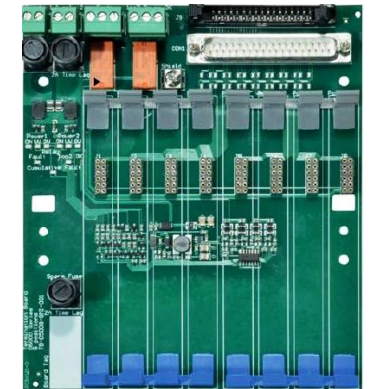
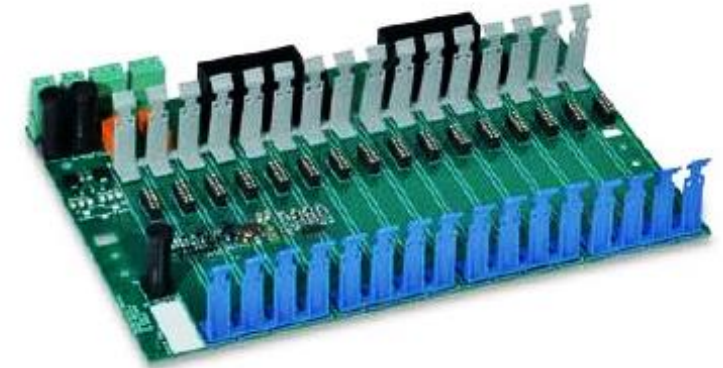
Wall mounting system
With thread screw or self tapping screw

G.M. International Termination Boards

Reference list

List of customers* using G.M. International Termination Boards worldwide, with customized, standard or HART solutions.

- ABB
- Bailey
- Emerson
- Foxboro
- Hima
- Honeywell
- ICS Triplex
- Invensys
- Schneider
- Siemens
- Triconex
- Yokogawa



* Further information on request