

Telefast 2 Terminal Block System



Merlin Gerin

Modicon

Square D

Telemecanique

Make *Faster* Connections
Between the PLC and Your IO
Points



SQUARE D
Schneider Electric

Telefast 2

Telefast 2 is an enhanced terminal block that is a prewired interface system for parallel connection of programmable controller I/O signals. As PLCs with high-density I/O cards become more popular due to increased pressures to reduce panel space, solutions such as Telefast 2 are becoming a necessity.

With the proper cable, the Telefast 2 module will connect to most PLCs with high-density I/O cards. A single HE10, 20-pin connector is used to make the connections. Modular, compact units with 8, 12 or 16 channel configurations neatly organize panel layouts.

The use of a single prewired cable makes wiring to PLCs with high-density cards much faster and eliminates errors. The Telefast 2 modules mount on a standard 35mm DIN 3 track, which makes installation quick and easy. There is no longer a need to cut, strip and mark all those wires – the wiring of products to the module is made easier because of an internal common that is supplied.

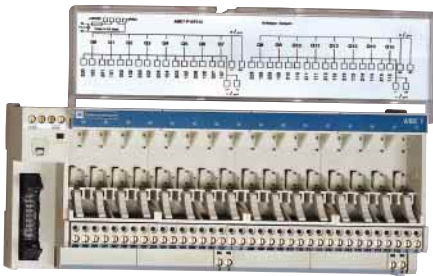
Select the right module for your application



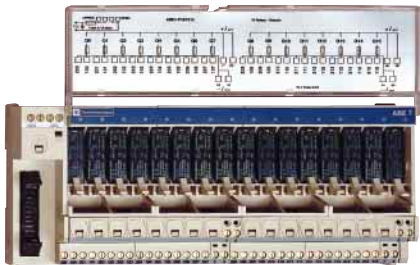
Discrete Logic Signal Modules



Input Modules



Output Modules



Electromechanical Relay Output Modules



Analog Signal Modules

Terminal block modules can be used to connect inputs or outputs. The commons are made on the device and brought into the module by a single wire. The output terminals are on a single row.

Compact modules fulfill the same functions as the terminal block modules but are almost half the size. The output terminals are actually in two rows.

Universal modules are used to connect I/O and all the commons. The potential (0v or 24Vdc) is distributed over all the screw terminals allowing the commons to be connected easily. Modules for two-wire sensors are similar to the universal modules except that they can accept two-wire type 2 sensors when the modules are connected to TSX Micro and Premium PLCs. The output terminals are on two rows. Modules for three-wire sensors have terminals for the signal, 24Vdc and 0V wires of the three-wire sensor on each channel.

Modules with fixed relays come with solid state relays soldered to the internal printed circuit board. Solid state relays are ideal for high speed switching applications. These relays, which provide a high level of electrical durability, will accept sensors of different voltages (24Vdc to 230Vac).

Modules for plug-in relays provide all the advantages of the solid state fixed relays, but can be replaced. The solid state plug-in relays are purchased separately.

Modules with fixed relays come with electromechanical relays soldered to the internal printed circuit board. Electromechanical relays are ideal when circuit isolation is desirable. A compact module which is 50% smaller is available. These relays have one normally open contact. The switching capability is dependent on duty cycle and life required, but can be up to 5A resistive.

Modules for plug-in relays can be supplied with the plug-in relays already installed or without relays. Electromechanical relays are ideal when circuit isolation is desirable and can be replaced. The relays are available with either:

- One normally closed contact (1NO)
- One normally closed and one normally open contact (1C/O)
- Two normally closed and two normally open contacts (2C/O)

The switching capability is dependent on duty cycle and life required, but can be up to 1A resistive.

Modules for analog signals have been developed to work with TSX Micro and Premium PLCs. They are for analog, counting and axis control functions.

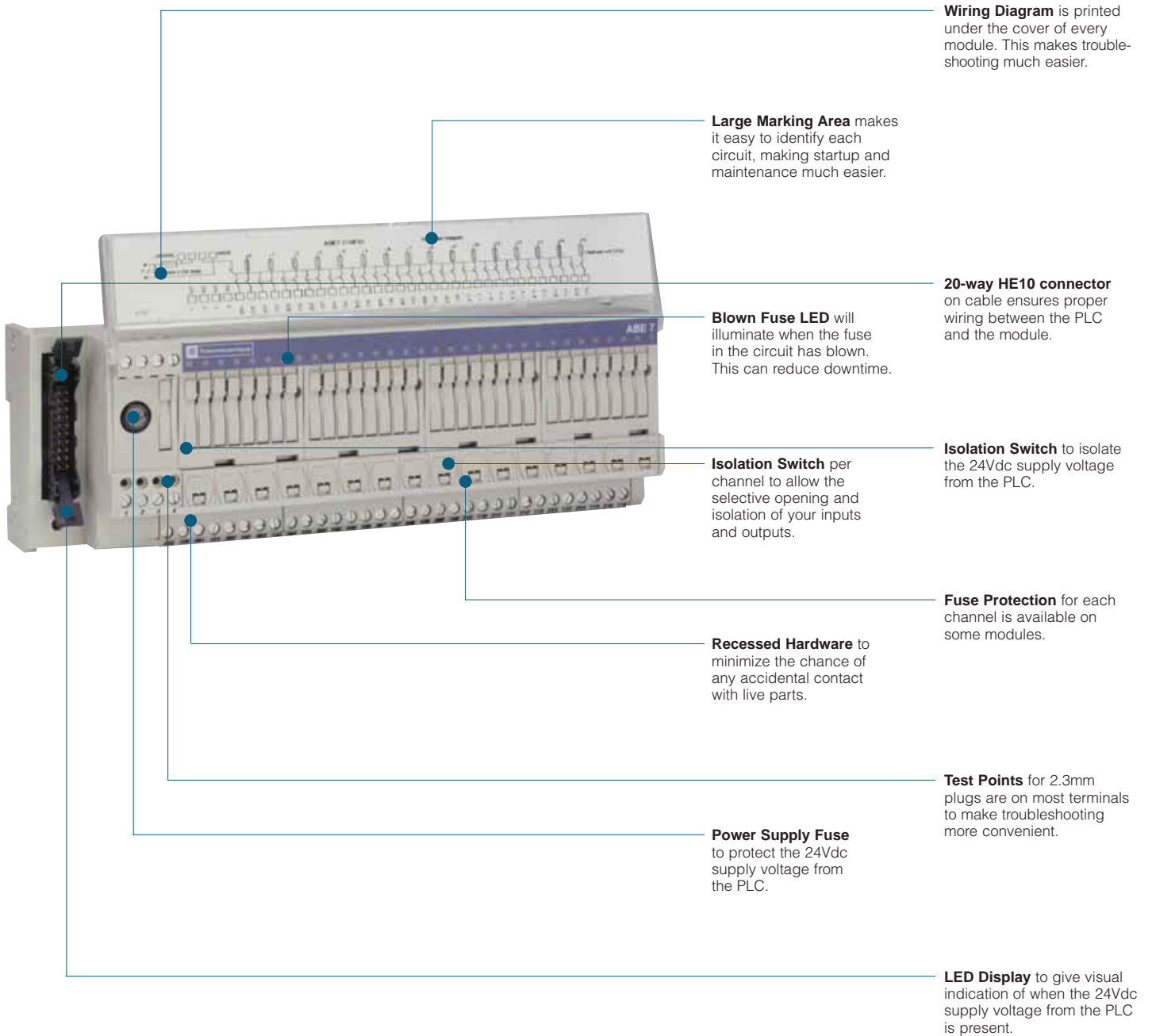
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Telefast 2

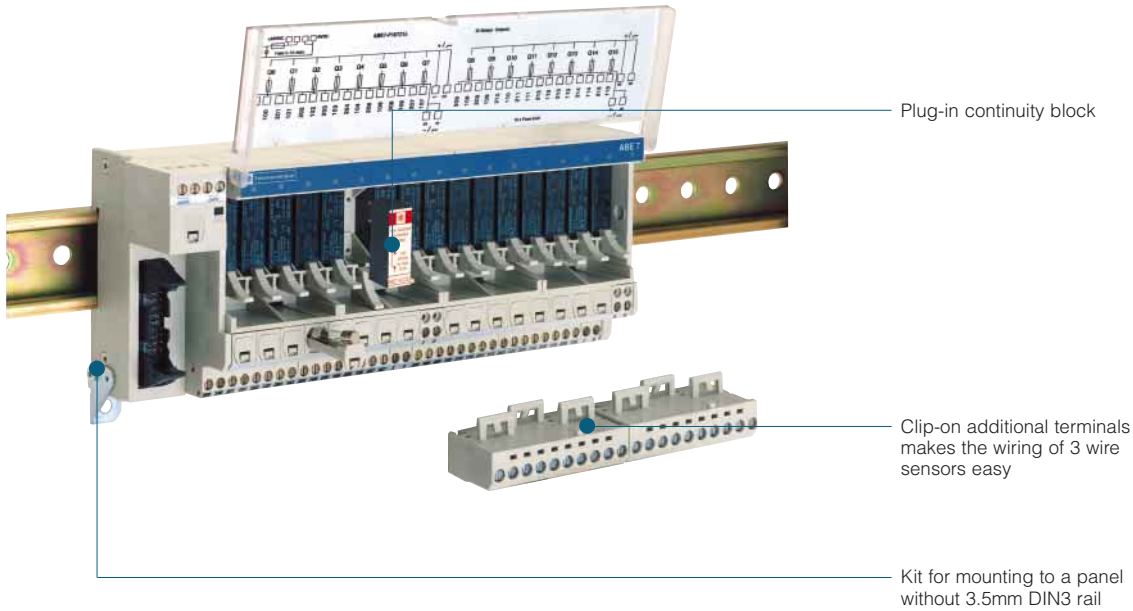


Enhanced safety and easier maintenance

Telefast 2



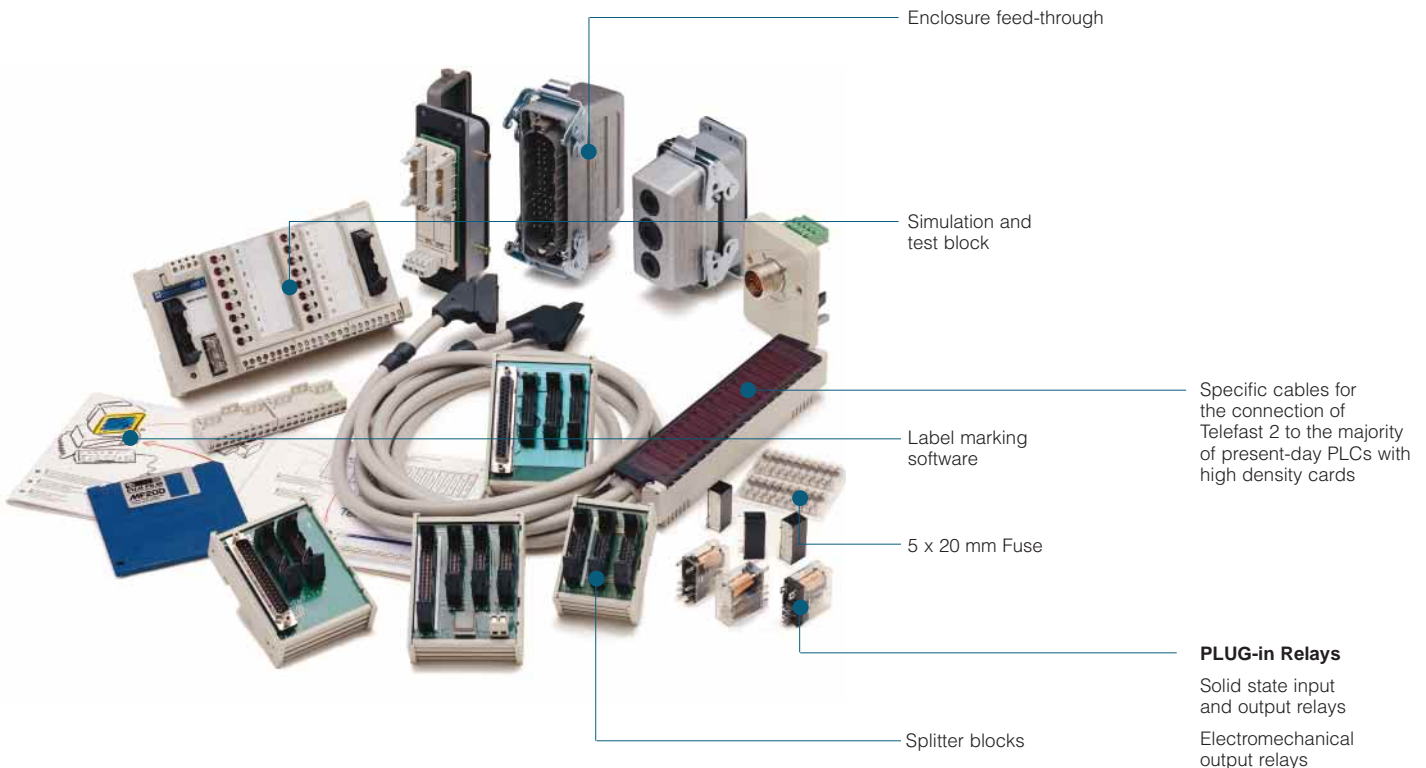
Provide added flexibility



Plug-in continuity block

Clip-on additional terminals makes the wiring of 3 wire sensors easy

Kit for mounting to a panel without 3.5mm DIN3 rail



Enclosure feed-through

Simulation and test block

Specific cables for the connection of Telefast 2 to the majority of present-day PLCs with high density cards

Label marking software


5 x 20 mm Fuse

Splitter blocks

PLUG-in Relays

Solid state input and output relays
Electromechanical output relays

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at www.squared.com**

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