

■ INT-DI16-ISO24DC-PS

16 channels - isolated discrete input powered by a 24DC power supply-

Description :

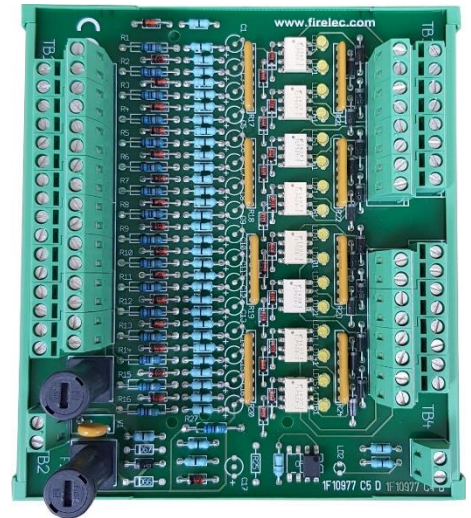
The **INT-DI16-ISO24DC-PS** interface unit provides a galvanic isolation between a DC logic voltage and the 16-channel Discrete Input card of a Distributed Control System (DCS), or a Programmable Logic Controller (PLC).

Each Input is isolated from its output which is potential free.
Terminal **TB1** allows to connect 16 dry contacts.
A yellow LED indicates the status of each channel.

The terminal **TB2** allows to connect the 24Vdc power supply which is common to the 16 Discrete Inputs.

A contact on terminal **TB4** can be used for PSU monitoring (C1&C2 terminals).
When the power supply falls under 20Vdc (at 25°C of ambient temperature), the contact is considered OFF.

The **INT-DI16-ISO24DC-PS** interface unit can be connected to the 16 channels Discrete Input card using terminal **TB3**



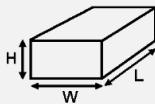
Product options :

Option **VSH** : Conformal coating (Tropicalization)

Technical specifications :

Dimensions :

Length : 144 mm
Width : 130 mm
Height : 58 mm



Weight :

500 g

Temperature range :

Operating : -10°C to 60°C
Storage : -20°C to 60°C

Humidity :

Up to 90% (no condensation)

Mounting :

Asymmetric or symmetric DIN rail

Output specifications :

Maximum voltage: 55 Vdc
Maximum current allowed: 30mA

Input specifications for each channel :

Max permanent input voltage	35 Vdc
Input current at 220Vdc (ON state)	2,1mA
Power dissipated at 220Vdc (ON state)	50mW
OFF state guaranteed voltage	<18Vdc
ON state guaranteed voltage	>20Vdc
Response time	5ms

Conductor cross section :

Screw terminals 26 to 14AWG (0.14 to 1.5mm²)

TB1: input signal

TB2: Power Supply

TB3: isolated output signal

TB4: monitoring contact

Power Supply specifications :

Power supply range : 21 to 35Vcc
Protected by 0.5A 5x20 fuses, diodes and varistor.

Power Supply monitoring :

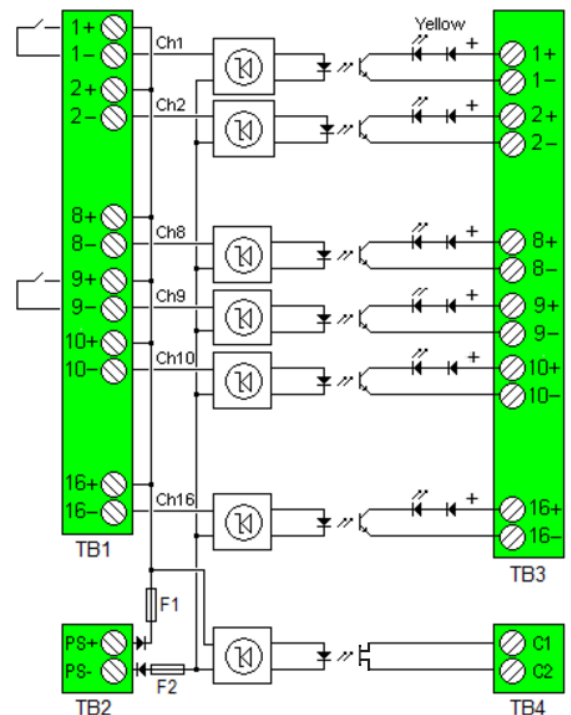
Alarm ON if PS<20V (Contact OFF)
Alarm OFF if PS>21V (Contact ON)

Tension max. : 100V

Max. current : 50mA

Insulation voltage :

1500 Vac between input and output



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