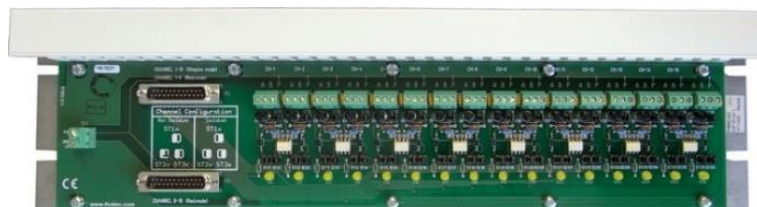
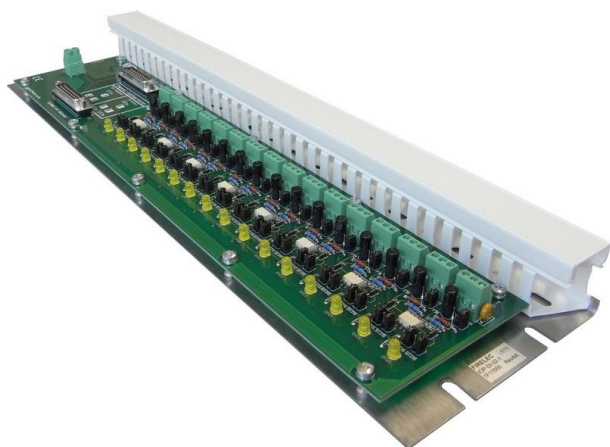


■ IOP-DI-02

16 channels - isolated discrete input termination panel powered by 15 to 60Vdc voltage



Description :

The termination panel **IOP-DI-02** allows to connect up to 16 Discrete Inputs to a Distributed Control System (DCS), or a Programmable Logic Controller (PLC).

Each channel can be configured by jumpers as isolated input powered by an external DC power supply (15 to 60Vdc) or as a non isolated input for dry contact powered by the system 24Vdc Power Supply.

Each channel is protected by a removable fuse, and a yellow LED indicates its status.

The termination panel **IOP-DI-02** can be connected either to an 8 or 16 channels DI card using one or two D-SUB 25 male connectors.

It is particularly suitable for migration of existing PROVOX™ I/O panels with reference as follow :

CL6781-1, CL6783-1 CL6784-1 : Discrete Input Panel

- When these panels are equipped with CL6751X1-A1 modules, you must configure the channel as "isolated channel" using jumpers (with external power supply).
- When these panels are equipped with CL6751X1-A7 or A8 modules, the channel must be configured as a "non-isolated channel" using jumpers (powered by the system 24Vdc P.S.).

CL6787-1(CE), CL6788-1(CE) : Discrete Input Panel

- When these panels are equipped with CL6753X1-A10 modules, you must configure the channel as "isolated channel" using jumpers (with external power supply).
- When these panels are equipped with CL6753X1-A12 or A13 modules, the channel must be configured as a "non-isolated channel" using jumpers (powered by the system 24Vdc P.S.).

The main advantages of using the **IOP-DI-02** panel for PROVOX™ migration are as follow :

- Existing wiring is just disconnected and reconnected to the **IOP-DI-02** without any change at the same place (same terminals with same labelling and same electrical features)
- The existing loop drawings are kept without any modification, allowing all maintenance processes and procedures to remain unchanged.

Product options :

Option -1 : IOP-DI-02-1 Standard version

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



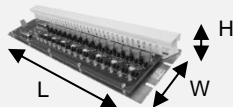
Technical specifications :

Dimensions :

Length : 483 mm (19 inches)

Width : 131.40 mm (3U)

Height : 40mm



Weight :

1,3 kg

Mounting :

EIA Rail

Temperature range :

Operating : 0°C to 50°C

Storage : -10°C to 50°C

Humidity :

Up to 90% (no condensation)

Conductors section :

Screw Terminals : 24 to 12AWG (0.25 to 2.5mm²)

Isolated channel :

Jumper ST1,ST2,ST3	Right side
Input Voltage :	15 to 60VDC
Input impedance :	12kΩ
Max leakage current :	0.9mA
Turn ON time :	50μs
Turn OFF time :	120μs
Max input frequency :	1kHz
Max output voltage :	55vdc
Max output current :	50mA
Input/output insulation :	1500vdc
Each channel insulation :	750vdc
Fuse protection	250mA

Non isolated channel :

Jumper ST1,ST2,ST3	Left side
Fuse protection	250mA

Connection to the DCS or to the PLC :

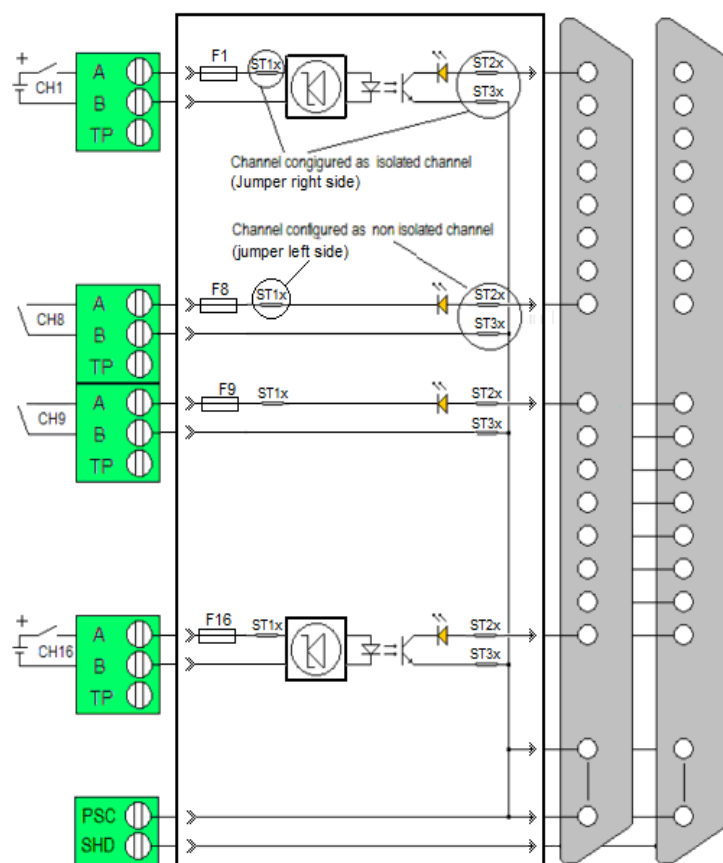
To 2 x 8-channel DI cards :

Two D-SUB 25 pin male connector with UNC 4-40 female lock

To one 16-channel or one 1/2 x 32-channel DI card :

One D-SUB 25 pin male connector with UNC 4-40 female lock

Screw Terminals for the shield (SHD) connection and Power Supply Common (PSC)



S_IOP-DI-02-1_v2015_07

