

## ■ INT-DI16-1

### 16 channels - Digital Input

#### Description :

The **INT-DI16-1** interface unit is a remote termination panel that allows to connect up to 16 discrete inputs to a Distributed Control System (DCS), or a Programmable Logic Controller (PLC).

Installed in a remote cabinet, the **INT-DI16-1** interface unit receives the digital inputs from dry contacts or proximity switches.

The connection to the Discrete Input card is done using a shielded cable (or not), with a SUBD37F connector at one end, and labeled flying wires or a suitable connector matching with the Discrete Input card at the other end.

If a shielded cable is used (metallic cover mandatory), a screw marked "Shield" allows to ground the unit.

#### Product options :

Option **ST** : *INT-DI16-1-ST*, Screw terminals for the process signals connection.

Option **CCT** : *INT-DI16-1-CCT*, Cage clamp terminals for the process signals connection.

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



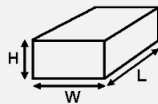
#### Technical specifications :

##### Dimensions :

Length : 90 mm

Width : 90 mm

Height : 55 mm



##### Weight :

120 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

##### Connection to the DCS or to the PLC :

1 x Sub-D 37 pin male connector with UNC 4-40 female lock.

1 x 2 screw terminal (TB2) for the 24Vdc power supply connection

##### Conductor cross section :

TB1 : Inputs

ST : 26 to 14 AWG (0,14 to 1,5mm<sup>2</sup>)

CCT : 24 to 14 AWG (0,2 to 1,5mm<sup>2</sup>)

TB2 : 24V PSU

ST : 26 to 14 AWG (0,14 to 1,5mm<sup>2</sup>)

##### Max current :

1A per channel

##### Withstanding voltage rating :

250V RMS between non connected signal

##### Shield connection :

1 x M3 screw

