

## ■ INT-DI-323-F Interface Unit

32 channels - discrete input with fuses for 2, 3 or 4-wire proximity switch, or dry contact

### Description :

The INT-DI-323-F interface unit allows to connect up to 32 proximity switches or dry contacts to a digital control system or a programmable logic controller. It is possible to connect 2, 3 or 4 wires proximity switches powered by 24Vdc.

Each channel is protected by a mini-fuse and its status is indicated by a yellow LED.

The INT-DI-323-F interface unit must be powered either by the same power supply than the DCS or the PLC card or by a separate power supply with the minus (-) connected to the minus of the system power supply. Use the removable connector TB2 to connect the 24Vdc power supply.

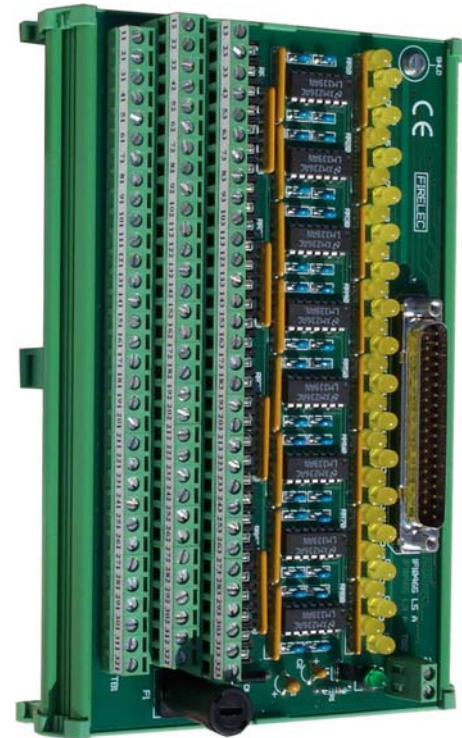
The INT-DI-323-F interface unit, is connected to the DCS or the PLC D.I. card by a SUBD 37 pins male connector and a round shielded or not cable.

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

### Product options :

Option **ST**: INT-DI-323-F-ST (contact connection using Screw Terminals)

Option **CCT**: INT-DI-323-F-CCT (contact connection using Cage Clamp or spring Terminals)



### Technical specifications:

#### Dimensions :

Wide : 125mm  
Length : 185mm  
Depth : 70mm

#### Weight :

350 g

#### Mounting :

Asymmetric or symmetric DIN rail

#### Terminal conductor section:

**TB1**: ST: 26 to 16AWG or (0.14 to 1.5mm<sup>2</sup>). CCT 24 to 14AWG (0.14 to 2.5mm<sup>2</sup>)  
**TB2**: 26 to 16AWG (0.14 to 1.5mm<sup>2</sup>).

#### Connection to ground

One M3 screw

#### Connection to the DCS or PLC:

1 x SUBD 37 pin male connector with UNC4-40 female lock.

#### Contacts Power Supply (TB2)

Value: 24Vdc +/- 10%  
Max consumption: 340mA  
Fuse: 0.5A (5x20) quick action  
Protected against over voltage and reverse polarity

#### Input specifications:

Input impedance: 3.3 Kohms  
ON state current: 7.3 mA  
Max OFF state current: 1.4 mA  
Min ON state current: 1.7mA  
Max frequency: 0.9 KHz  
Type of proximity switch: 2 wires, 3 wires (PNP) or 4 wires (PNP)  
Each channel fuse protection: 0.25A

#### Humidity:

Up to 90% (no condensation)

#### Temperature range:

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

