

■ INT-DI-323 Interface Unit

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

Description :

The INT-DI-323 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.

The status of each channel is indicated by a yellow LED.

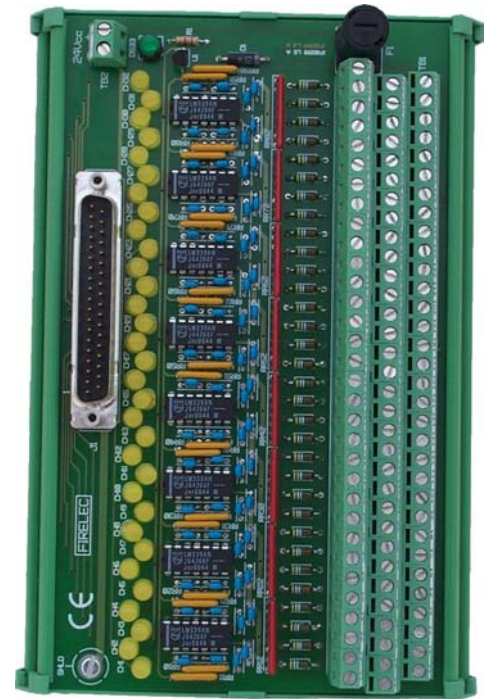
The INT-DI-323 interface unit must be powered either by the same power supply than the DCS or the PLC card or by a separate power supply with the minus (-) connected to the minus of the system power supply. Use the removable connector TB2 to connect the 24Vdc power supply.

The INT-DI-323 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-ST (contact connection using Screw Terminals)
 Option **CCT**: INT-DI-323-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 1.5mm²). CCT 24 to 14AWG (0.14 to 2.5mm²)
TB2: 26 to 16AWG (0.14 to 1.5mm²).

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)

Humidity:

Up to 90% (no condensation)

Temperature range:

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

