

■ INT-DI32a-ISO*AC

32 channels - isolated Discrete Input for dry contact or proximity detector powered by DC voltage

Description :

The **INT-DI32a-ISO*AC** interface unit allows to connect up to 32 Discrete Inputs to a Sinking type Distributed Control System (DCS), or a Programmable Logic Controller (PLC).

It provides a galvanic isolation between an AC logic voltage and the Discrete Input card. Each channel is isolated from each others and from the power supply of the DCS or the PLC.

A yellow LED indicates the status of each channel.

The **INT-DI32a-ISO*AC** interface unit can be connected to a Discrete Input card using a SUBD 37pin male connector

The connection to the new Discrete Input card is done using a cable (shielded or not), with a SUBD37F connector at one end, and labeled flying wires or a suitable connector matching with the new system Discrete Input card used at the other end. If a shielded cable is used (metallic cover mandatory), a screw marked "Shield" allows to ground the unit.

Three input voltages are available in standard :

INT-DI32a-ISO48AC : inputs powered by 48Vac.

INT-DI32a-ISO120AC : inputs powered by 120Vac.

INT-DI32a-ISO230AC : inputs powered by 230Vac.

* is the value of the DC input power supply. For a special value, please consult us

Product options :

Option **ST** : Screw terminals for the process signals connection

Option **ST2.5** : Screw terminals with a capacity of 24 to 12AWG (0.22 to 2.5mm²) for the process signals connection

Option **CCT** : Cage clamp terminals for the process signals connection

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

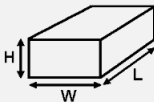
Technical specifications :

Dimensions :

Length : 240 mm

Width : 125 mm

Height : 65 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

Conductor cross section :

TB1 : Inputs

ST : 26 to 14 AWG (0,14 to 1,5mm²)

ST2.5 : 24 to 12 AWG (0,2 to 2,5mm²)

CCT : 24 to 14 AWG (0,2 to 1,5mm²)

Shield connection :

1 x M3 screw

Insulation voltage :

1500 Vac between input and output, and between each input (if the external DC Power Supply is not the same).

Output specifications :

Maximum voltage: 40 Vdc

Maximum current: 15mA

Input specifications :

	48 Vac	120 Vac	230 Vac
Input voltage range (Vac)	40 to 56	100 to 140	200 to 250
Input impedance (KΩ)	18	68	120
Minimum ON state voltage (Vac)	25	85	130
Max current for OFF state (mA)	1	1	1
Max turn ON delay (ms)	100	75	50
Max turn OFF delay (ms)	25	35	50

Connection to the DCS or to the PLC :

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

