

■ INT-DI8-ISO*DC Interface Unit

8 channels - isolated discrete input for dry contact or proximity detector

Description :

The INT-DI8-ISO*DC interface unit provides a galvanic isolation between a DC logic voltage and the 8 channel discrete input card of a Digital Control System or a Programmable Logic Controller.

Each channel is isolated from each other's and from the power supply of the DCS or the PLC.

A yellow LED indicates the status of each channel.

The INT-DI8-ISO*DC interface unit, is connected to the DCS or the PLC D.I. card via a SUBD25-pin male connector (model SUBD) or HE10-16-pin connector (model HE10)

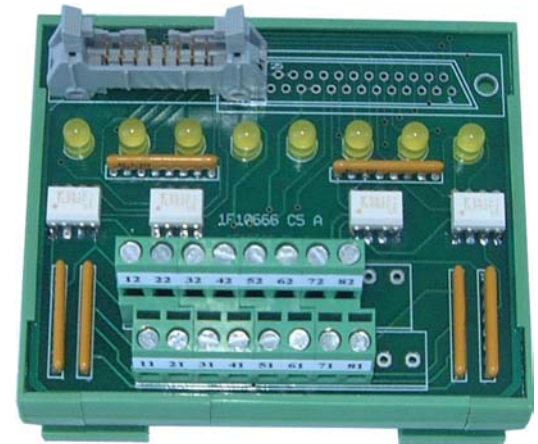
Three input voltages are available in standard:

INT-DI8-ISO24DC: inputs powered by 24Vdc.

INT-DI8-ISO48DC: inputs powered by 48Vdc.

INT-DI8-ISO120DC: inputs powered by 120Vdc.

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



Product options :

Option **ST:** INT-DI8-ISO*DC-**ST** (Instruments connected using Screw Terminals)

Option **CCT:** INT-DI8-ISO*DC-**CCT** (Instruments connected using Cage Clamp or spring Terminals)

Option **SUBD:** INT-DI8-ISO*DC-**SUBD** (Connection to the DCS or PLC using a SUBD 25 pin connector)

Option **HE10:** INT-DI8-ISO*DC-**HE10** (Connection to the DCS or PLC using a HE10 16 pin connector)

Technical specifications:

Dimensions:

Wide: 80 mm

Length: 90mm

Depth: 65mm

Weight:

100 g

Mounting:

Asymmetric or symmetric DIN rail

Signal wiring conductor section :

ST: Screw Terminals: 26 to 16AWG (0.14 to 1.5mm²).

CCT: Cage Clamp Terminals or spring terminals: 24 to 16AWG (0.14 to 1.5mm²)

Output specifications:

Maximum voltage: 40 Vdc

Maximum current: 15mA

Connection to the DCS or to the

1x SUBD 25 pin male connector with UNC 4-40 lock (Option SUBD)

1x HE10-16 pins male connector with locks for female connector with Central polarization (Option HE10)

One screw for shield connection with Option SUBD

Temperature range:

Operating : -10°C to 60°C

Storage: -20°C to 60°C

Humidity:

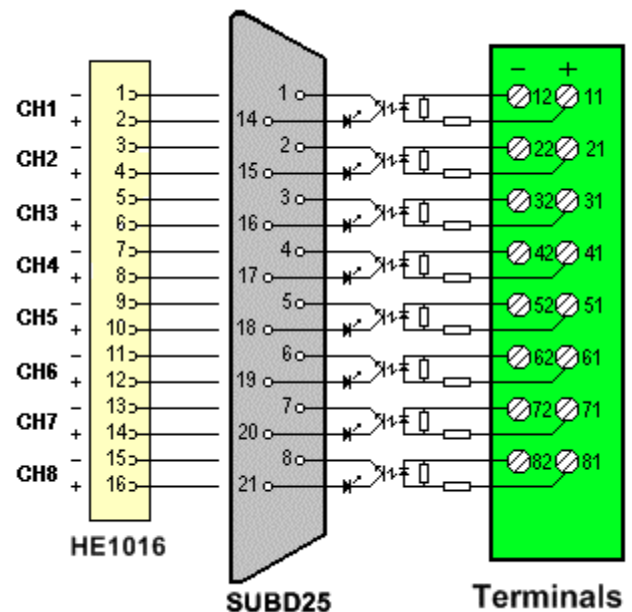
Up to 90% (no condensation)

Insulation voltage:

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

Input specifications:

	24 Vdc	48 Vdc	120 Vdc
Input voltage range (Vdc)	20 to 28	40 to 56	100 à 140
Input impedance (KΩ)	3.3	6.8	33
Minimum ON state voltage (Vdc)	10	20	50
Max current for OFF state (mA)	1	1	0.6
Min current for ON state (mA)	2.5	2.5	2.5
Max frequency (Hz)	0.9	0.9	0.7
Max turn ON / OFF time (µs)	60/50	60/50	60/50



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