

#### Description :

The INT-DI-IS is used as a remote termination panel for a ATEX certified I.S Discrete Input card, allowing to connect up to 16 Discrete Input channels

It can be installed in the rear front of a system cabinet, or generally in a remote marshalling cabinet

The connection to the I.S D.C.S or P.L.C Discrete Input card is done with a shielded cable, using a SUBD50M connector at one end, and labelled wires matching with the terminals of the AI card, at the other end.

**This cable and cables routed from the hazardous area, must be segregated from other cables by routing through separate cable tray.**

The length of this cable must be taken into account to calculate the I.S loop parameters.

Two models are available:

**INT-DI-IS-ST:** Screw terminals for connection

**INT-DI-IS-CCT:** Cage Clamp terminals for connection

#### Specifications :

##### **Mounting:**

Asymmetric or symmetric DIN rail.

##### **Size:**

Wide 80mm, Height 90mm, Depth 70mm

##### **Protection degree:**

IP20.

##### **EC type Examination Certificate number:**

LCIE05ATEX0002U

##### **I.S Specific parameters for each channel:**

$U_o \leq 28V$

$I_o \leq 120mA$

$P_o \leq 0.8W$

$C_o = 0$

$L_o = 0$

##### **Capacity of terminals:**

INT-ANALOG-IS-ST: 0.14 to 1.5mm<sup>2</sup> (AWG26 to 14)

INT-ANALOG-IS-CCT: 0.2 to 2.5mm<sup>2</sup>(AWG24 to 14)

##### **Cable for the connection to the I.S Discrete Input Card:**

Shielded cable (24 wires AWG 26, 0.14mm<sup>2</sup>) with a SUBD50M connector plugged to the SUBD50F connector (J1) of the interface, at one end, and 24 labelled flying wires at the other end.

