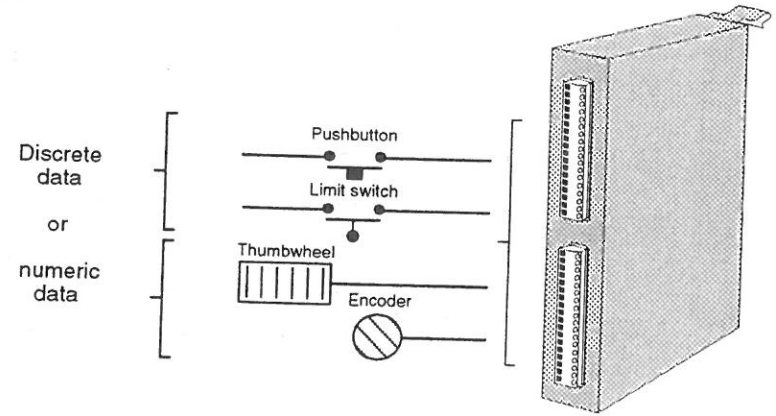
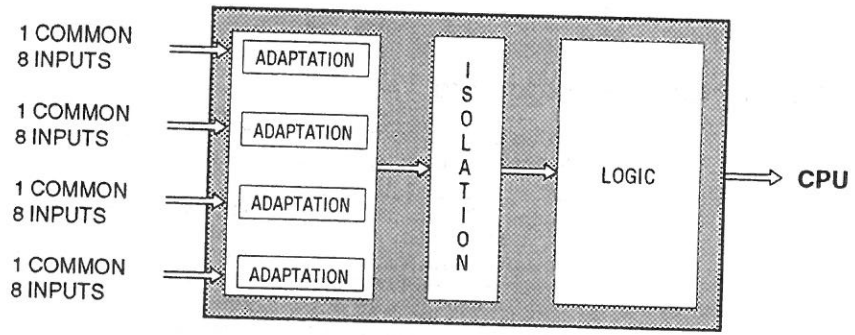
48 VDC 32-input module : IDA2321

Introduction

This module is used for the acquisition of discrete or numeric data.
The information received is checked and transmitted to the CPU to update the data memory.
The module complies with standard IEC 65A.

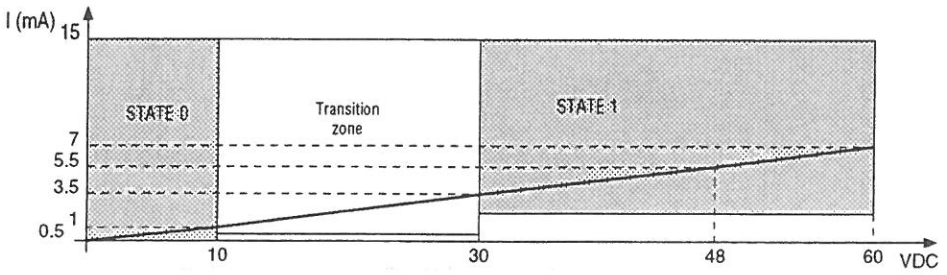


The module has 32 input channels 48 VDC . The 32 channels are divided into 4 blocks of 8 channels which are isolated from each other.



Characteristics

Nominal operating voltage	48 VDC
Current consumed at nominal voltage	5.5 mA per input
Resistance to reverse voltage	60 V
Isolation between the logic part and adaptation	2 kV
Isolation between 2 blocks of 8 inputs	2 kV
Filtering time	15 ms ± 20 %
Operating temperature	5 to 55° C
Storage temperature	- 25 to + 70°C
Relative humidity - operating and storage	≤ 90 % no condensation
Weight	~ 1 kg
Dimensions	160 x 242 x 34 mm
Standards	IEC 65A



Use in programming mode

The module acquires inputs and transmits the state of the inputs to the CPU which updates the image bit inputs %IXn (Input).

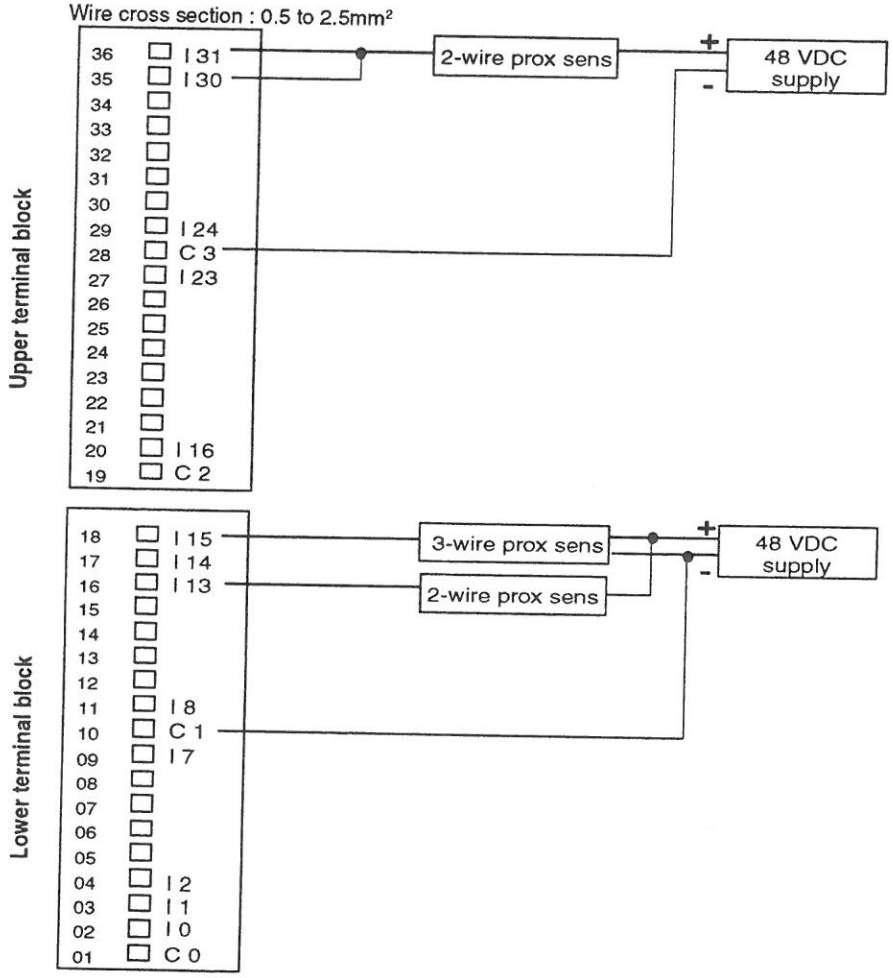
n =

rack n°	n° of slot	n° of input
0 CPU rack 1 extension rack 3000	in the rack 1 to 8	in the module 00 to 31

Example : rack 0, slot 2, input 6 → %IX206
Programming numeric inputs : see ORPHEE manual. Part B.

B

Connection, power supply



External power supply

48 VDC -15% +20%, 250mA
Maximum residual ripple : 500mV peak to peak. The presence of this power supply is not monitored.