

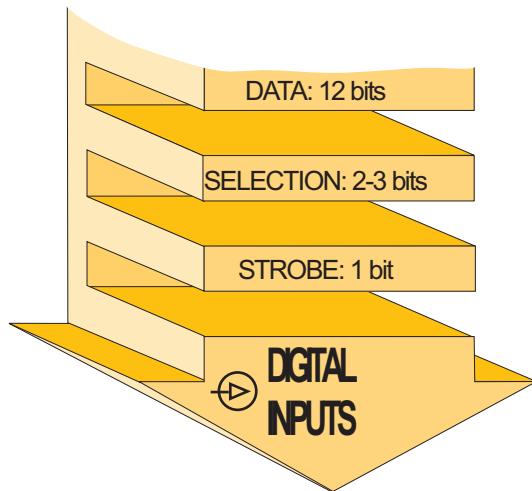


EXPANDER

0-4/20mA

0/10V

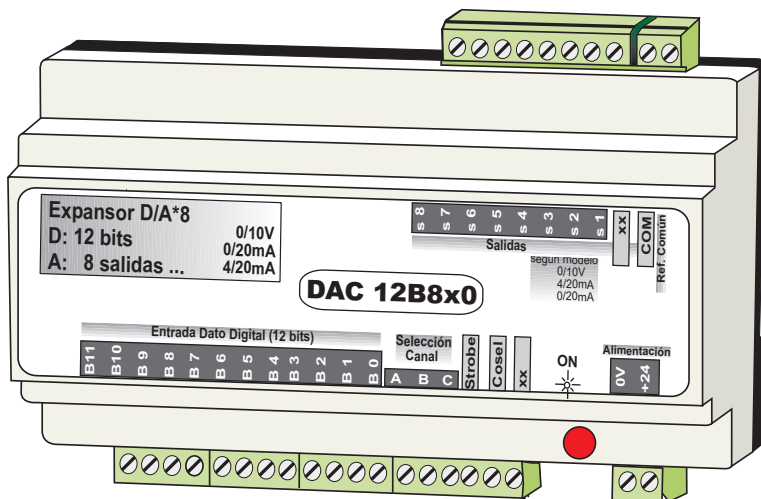
DIGITAL / ANALOG MULTICHANNEL



4 Outputs
8 Outputs

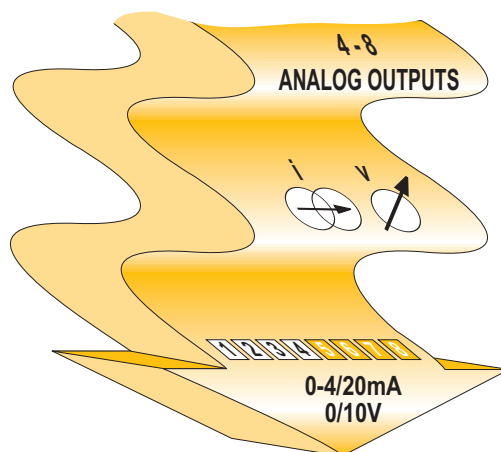
DESCRIPTION

This device converts the digital data in to a 4-8 analog output
With 12bits of resolution and 3-4 bits for output selection.
The analog outputs are memorized till they are refreshed.



PLUG-IN CONNECTORS

CE



It's perfect to give analog outputs, at a low price, to controllers, PLC's....

APPLICATION

Reference	Input	Description
DCA 12B400	Datos digitales de 12 bits	Expansor de 4 salidas 0/20mA
DAC 12B810	Datos digitales de 12 bits	Expansor de 8 salidas 0/10V
DAC 12B800	Datos digitales de 12 bits	Expansor de 8 salidas 0/20mA
DAC 12B840	Datos digitales de 12 bits	Expansor de 8 salidas 4/20mA

MODELOS

TECHNICAL CHARACT.

DIGITAL INPUTS

- Optocoupled digital inputs.
- PNP or NPN selection in connectors through COSEL.
- Max 4mA for each line.

DATA INPUT

CONNECTORS Bo... B11

Value in binary code of the signal to obtain in the analog output 12 bits (Bo... B11)
Bo lowest weight

DIGITAL	OUTPUT		
0 BIN	4mA	0mA	0V
4095 BIN	20mA	20mA	10V

INPUT SELECTION

CONNECTORS A, B, C

2 - 3 bits
(A, B, C)

Digital codified selection of the n° of the output channel
(A) lowest weight

4 ANALOGIC OUTPUTS A, B (13, 14)

8 ANALOGIC OUTPUTS A, B, C (13, 14, 15)

A	B	C	S
0	0	0	1
1	0	0	2
0	1	0	3
1	1	0	4
0	0	1	5
1	0	1	6
0	1	1	7
1	1	1	8

STROBE INPUT

CONNECTORS Strobe



Pulse > 3msg
Once the data and the selected channel, by STROBE point, it is stored in the corresponding analog output channel.

COSEL

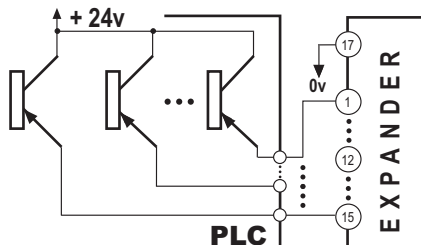
CONNECTORS Cosel

Common selection:

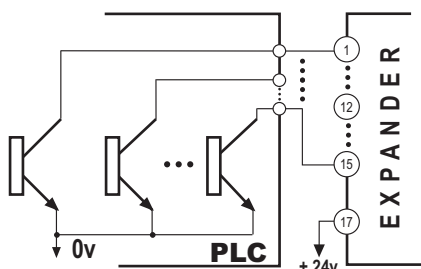
PNP Digital Input
COSEL → 0V

NPN Digital input
COSEL → +24V

PNP



NPN



ANALOG OUTPUTS

* 4 - 8 analog channels i or v with 0V common.

* Load Capacity

i 0 - 4/20mA	v 0/10V
≤ 750ohm.	> 1K

* Conversion time "Tc" 3ms
"Tc": Since the Strobe is activated until the output appears.

* Output resolution: 12 bits (4096 ptos).

SUPPLY

* Supply voltage: 24 VDC (19,2... 28,8V).

* Max consumption :

4 outputs	110mA
8 outputs	190mA

GENERAL DATA

* Max. working temp: - 10°/+ 60°C

* Max. global error: 1 bit (0,025%)

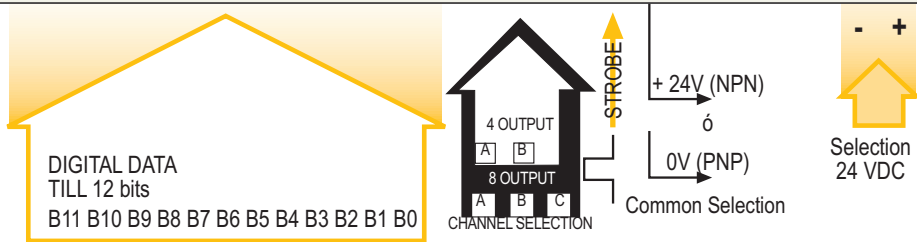
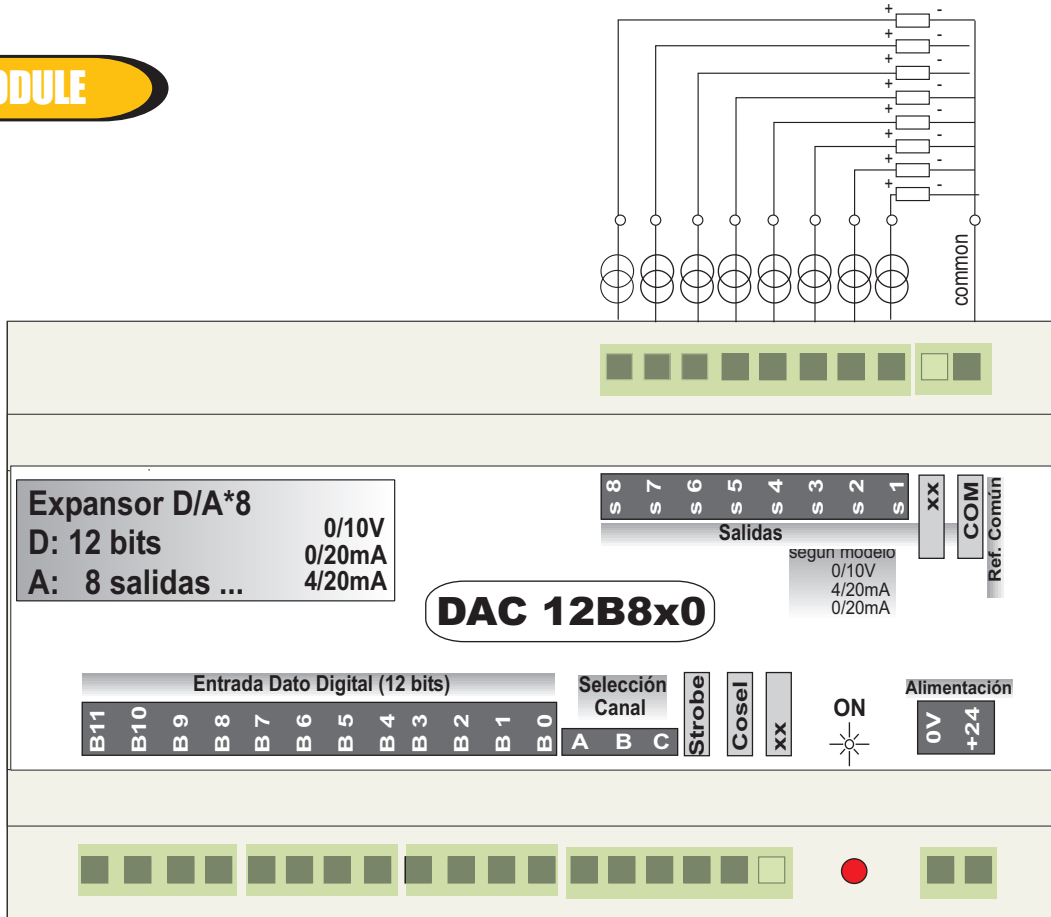
* Electromagnetic Compatibility 2004 / 108 / CE

Electromagnetic emissions UNE-EN 50081-2

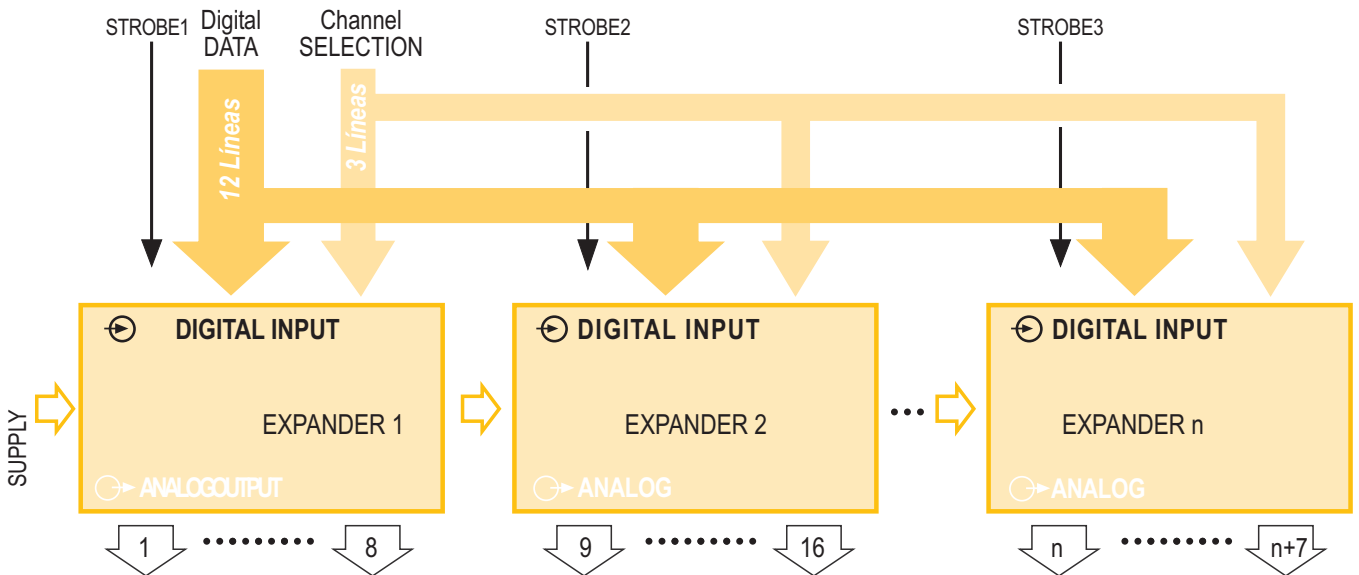
Electromagnetic immunity UNE-EN 50082-2

CONNECTIONS

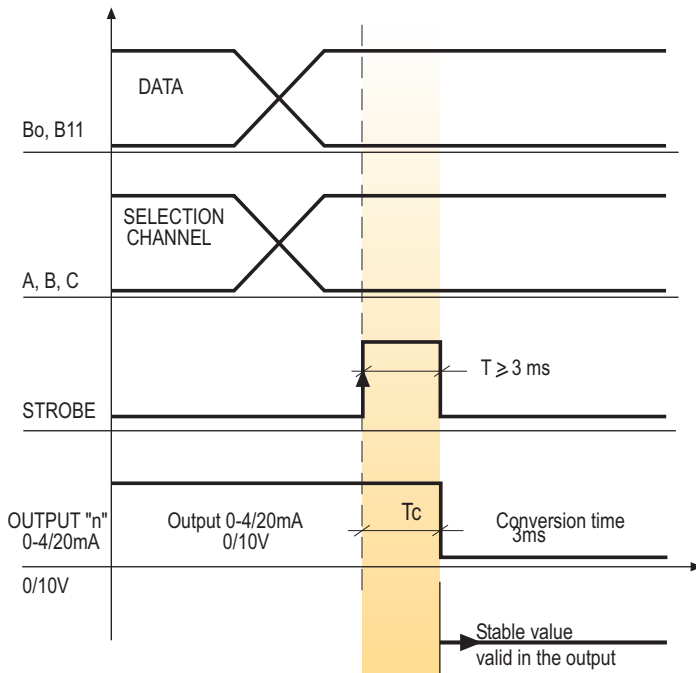
MODULE



CONNECTING VARIOUS EXPANDERS



SELECTION SEQUENCE



1. Put the data in binary (Bo... B11)

DIGITAL	OUTPUT		
0 BIN	4mA	0mA	0V
4095 BIN	20mA	20mA	10V

In case of need a lower resolution, leave unconnected the lower bits.

2. Select the output channel with el A, B, C

3. Activate with a pulse (min. 3ms) the STROBE

4. The output is memorized 3ms before the STROBE is activated

5. Go back to point 1

MECHANIC

- o Thermoplastic material Box.
- o Color gray RAL 7.035.
- o Mount in DIN EN 50022. rail
- o Max weight:: 200 gr.
- o Self extinguishing UL-94.
- o Dimensions: 157mm x 59mm x 86mm

DIMENSIONS

