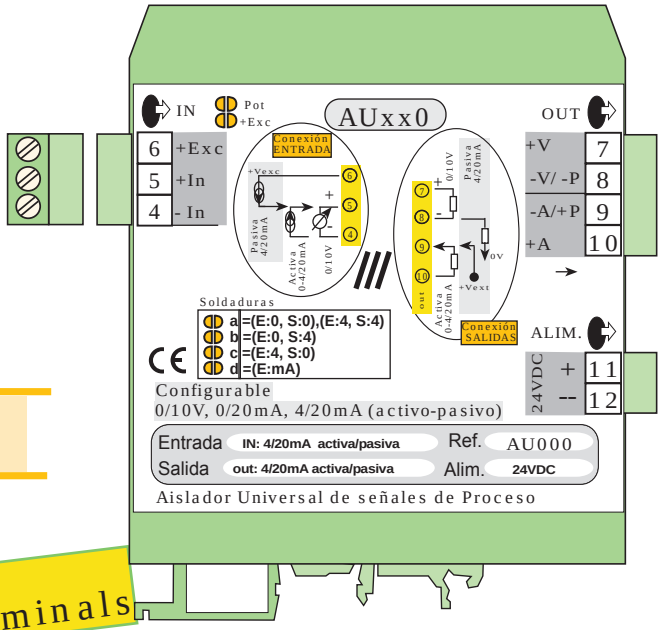
3 way Universal Isolator

OUTPUT 0/10V, 0/5V, -10/+10V 0/20mA, 4/20mA 0/60mV . . .

WORKS WITH
24 VDC or 90..265VAC



With plug-in terminals
IN /// OUT Configurable

CE

- Galvanic Isolation in 3 ways: INPUT / OUTPUT / SUPPLY
- INPUT and OUTPUT Configurable.
- Input: 0/10V, 0 - 4/20mA, Potentiometer, 0/60mV
  BIPOLAR +/-10V, +/-20mA ..
  HIGH VOLTAGE DC, IDC HIGH
- Especials: Available in other scales.
- 4/20mA passive transducer excitation.
- Protected by limiting output current

INPUT

- Input impedance	Ⓥ	100 Kohm.
- Maximum signal	Ⓥ	30 V
- Input Impedance	Ⓘ	50 ohm.
- Maximum signal	Ⓘ	50 mA
- Sensor Excitation		15 V / 20 mA

OUTPUT

- Load Resistance	Ⓥ	mín. 1 Kohm.
- Outout limit	Ⓥ	13,5 V
- Load Resistance	Ⓘ	max. 600 ohm.
- Output limit	Ⓘ	23 mA

WORKING CONDITIONS.

Working Temp.	-10 / +60 ºC
Stotage temperature	-40 / +80 ºC
Temperature coefficient	50 ppm / ºC
Warm up time	5 minutes

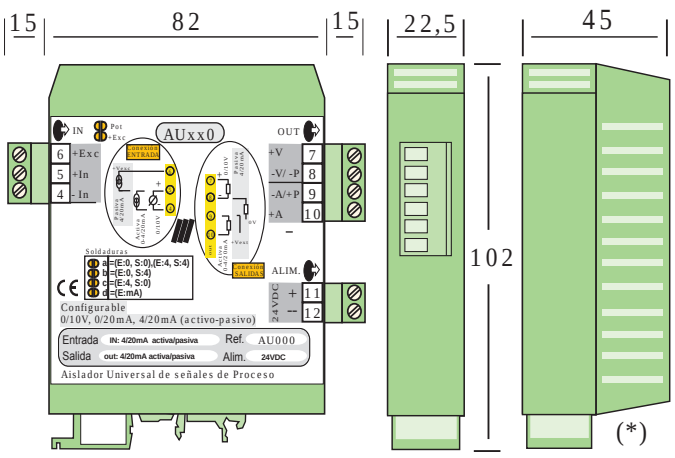
TECHNICAL SPECIFICATIONS

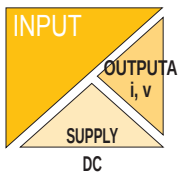
- 3-way Galvanic isolation	3.000 V
- Voltage supply	24 VDC (21... 30V)
- Maximum consumption	50 mA
- Maximun error	< 0,1%
- SPAN and ZERO adjust.	(+/- 5% multiturn)
- Typical response Time	50msg
- Minimum response Time	2msg

REGULATIONS COMPLIANCE

Electromagnetic Compatibility	2004 / 108 / CE
Low voltage for amb. industrial	2006/95/CEE
Electromagnetic emissions	UNE-EN 50081-2
Electromagnetic immunity	UNE-EN 50082-2
Waste electronics(WEEE)	2002 / 96 / CE

DIMENSIONS (mm)

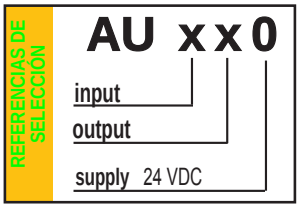




MECHANICAL SPECIFICATIONS

Protection:	IP 20
onection wire :	<2,5mm , 12 AWG
box:	Poliamide UL94. V2
Weight:	max. 90 gr.
Rail attachment:	EN 50035, EN 50022

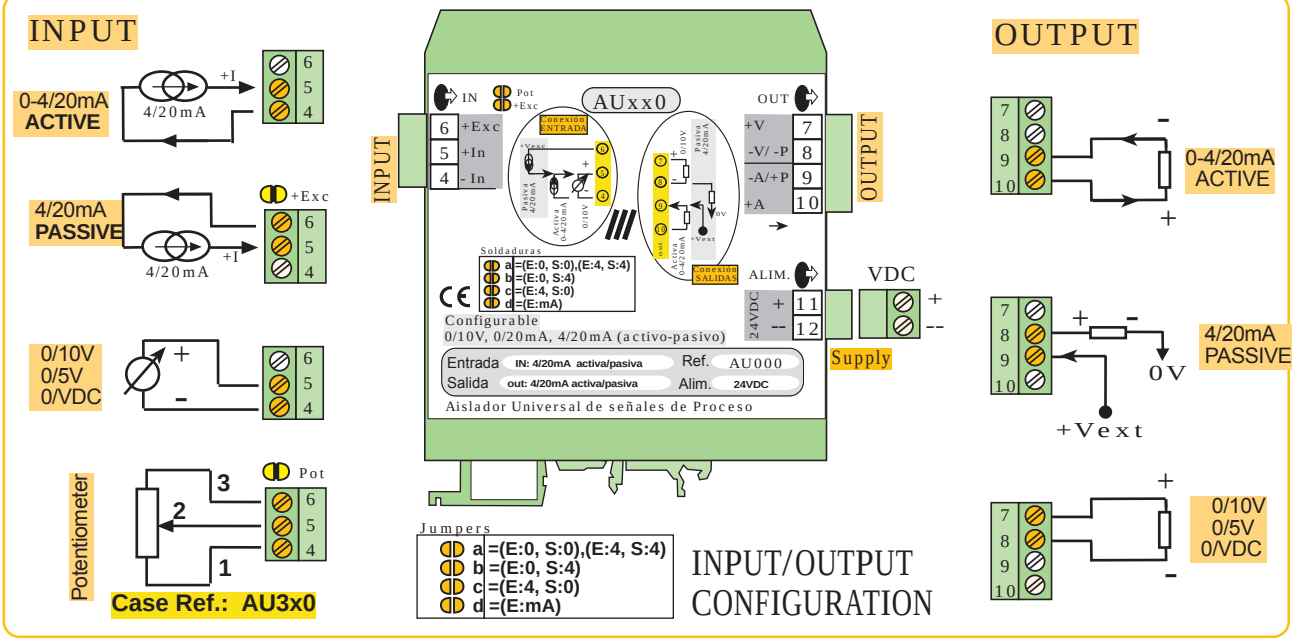
MODELS / Examples (Referencing Selection)



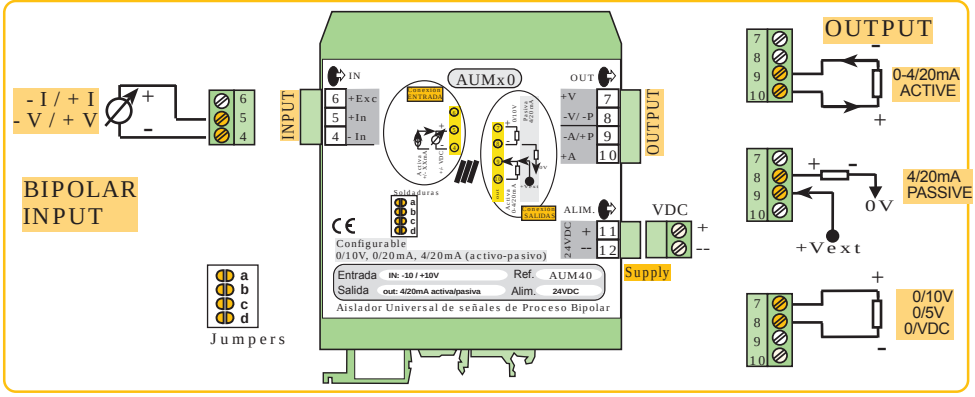
INPUT		OUTPUT
0	0/20 mA	0
1	0/10 V	1
3	Potentiometer	-
4	4/20 mA	4
6	0/60 mV	-
E	SPECIAL	E
M	BIPOLAR	M
H	HIGH V-I DC	-

AU xxx . CONNECTIONS (I / O Configurable Process)

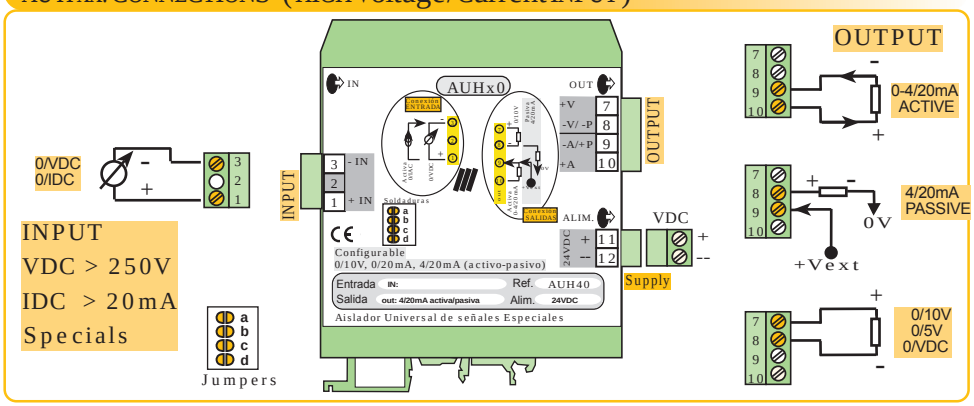
Pot +Exc — Depending the connector 6

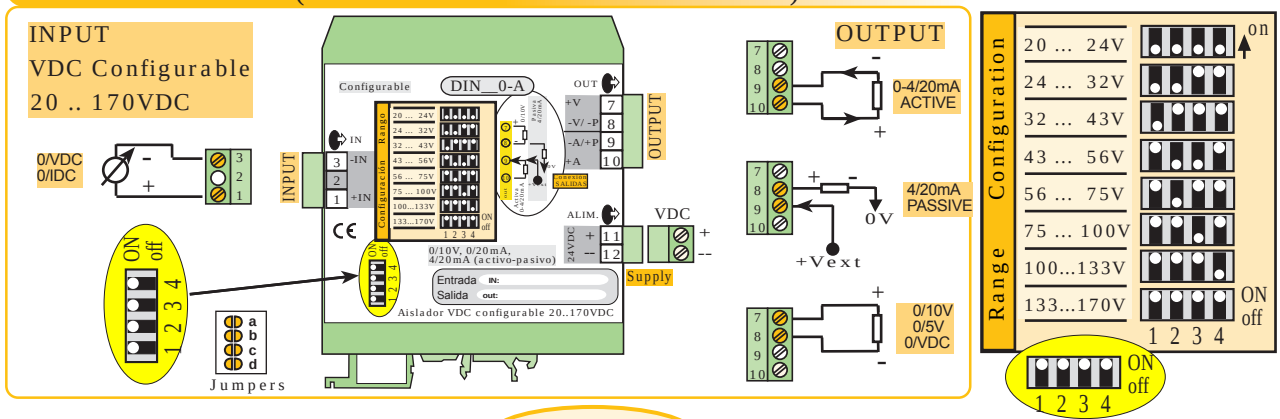


Mxx . CONNECTIONS (Bipolar INPUT -/+ VIDC)



AU H xx. CONNECTIONS (HIGH Voltage/Current INPUT)



DINxx-A . CONNECTIONS (CONFIGURABLE VDC INPUT 20 .. 170VDC)

For DYNAMO