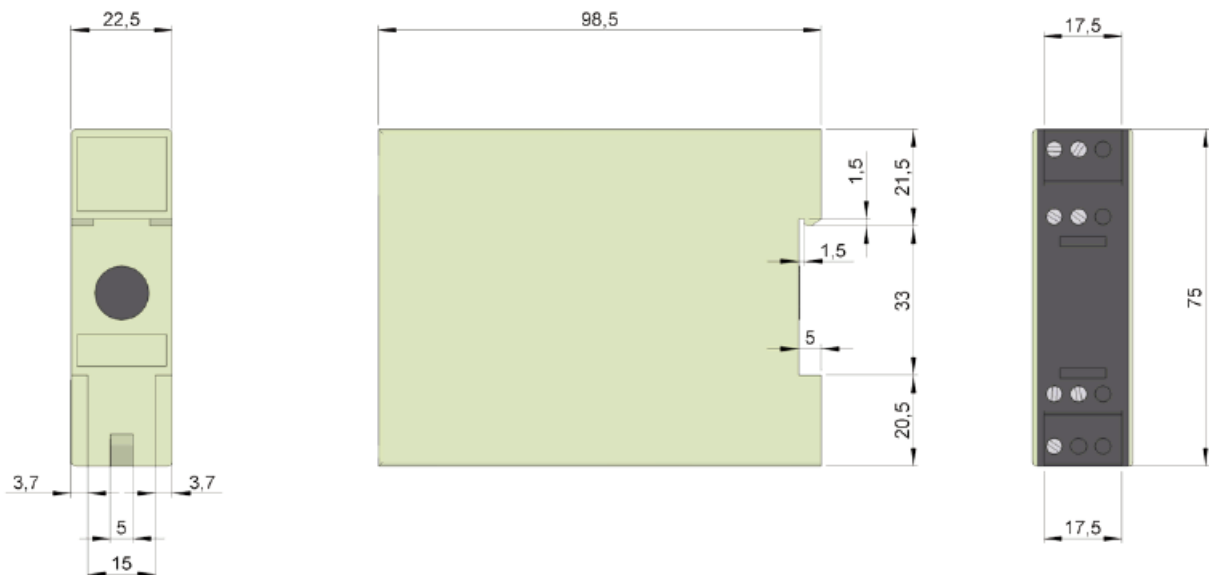


ELECTRONIC DISCRIMINATOR 90.8600

ELECTRONIC DISCRIMINATOR FOR ENCODERS

- A/B signal discriminator
- Opto-isolated Push-Pull (HTL) Inputs
- Outputs Push-pull (HTL)
- Low consumption 70mA (without load)
- Power supply 10..24v
- Protection class IP 20
- Rapid assembly on a DIN rail



MECHANICAL SPECIFICATIONS

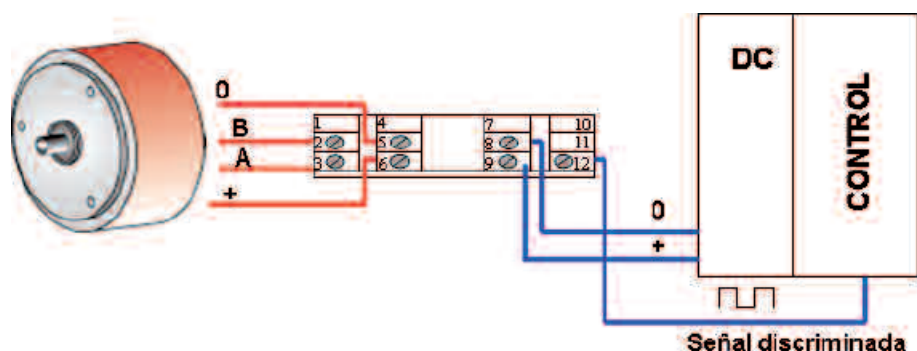
Input channels	A/B
Input signal type	Push-Pull
Input signal level	10..24v
Frecuency	200 Khz
Passive filter	250 Khz
Phase displacement of input signal	90° ±25%
Output channels	A/B/direction
Output signal type	Push-pull
Output signal level	10..24v
Intensity of the outgoing load	30 mA per channel
Power supply	10..24v
Intern consumption	70 mA without load
Power supply encoder output	10..24v
Connection type	Pitch of the connection strip screw 5,08
Max.conductor sections	Max 2,5 mm ²
Protection against dust and splashes according to DIN 40050	IP 20
Relative humidity	85%
Operating temperature range	-10°..+70°C
Assembly	DIN Rail in 50022
Weigth	100 gr
Housing	Grey polycarbonate UL94

MODULE DESCRIPTION

This digital discriminator takes advantage of the two encoder A and B channels, in order to refuse the possible noise or rebounds of the encoder. According to the direction in which the encoder turns, the discriminator captures one of the two signals (A or B), which will be the main signal and the other one will be the validation

signal. In this manner, there will always be a margin of 90 degrees in order to absorb and eliminate all of the rebounds and noises that may appear on the main signal. In this manner, if the encoder turns in one direction, the output signal will be A, and if it turns in the other direction, the output signal will be B.

CONNECTION DIAGRAM



PIN 1: NC

PIN 2: Input channel B encoder

PIN 3: Input channel A encoder

PIN 4: NC

PIN 5: 0 V Encoder

PIN 6: Power supply encoder +V

PIN 7: NC

PIN 8: 0 V

PIN 9: Power supply encoder +V

PIN 10: NC

PIN 11: NCr

PIN 12: Anti-dither output signal