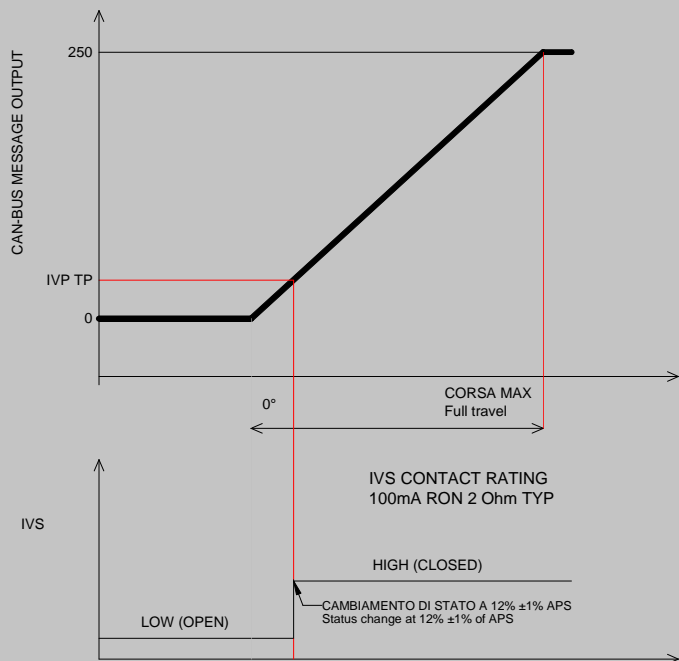
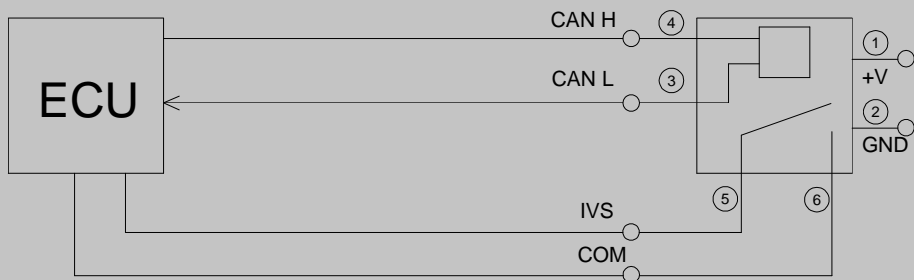


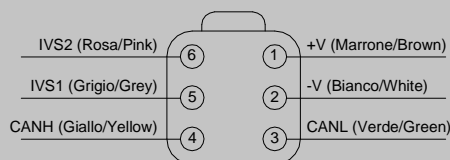
CAN-BU VERSION:



SCHEMA ELETTRICO APPLICATIVO
Application wiring diagram



Can-Bus version



EPD: ELECTRONIC PEDAL DEVICE



COBO EPD (Electronic Pedal) has been designed to be installed in vehicles equipped with the electronic controlled diesel, gasoline or electric engines through ECU interface. It can be anyhow installed in vehicles with traditional electro-hydraulic actuators if coupled with the proper actuator.

COBO EPD pedal has been manufactured using robust materials and advanced assembling procedure. It can be installed on cabin floor of any machine. Due to its die-cast aluminum frame, stainless steel mechanic and nylon superstructure, it guarantees maximum traveling comfort and operating safety during off-road heavy duty use. Reliability is guaranteed by severe environmental and electrical tests.

COBO pedal is using angular contactless hall effect type sensor, it is "redundant" and programmable. This unique feature is necessary to comply the most severe safety international regulations and programmability allows to configure pedal output signals ready to be used with any available engine in the market. COBO EPD is full programmable and it allow 5 points linearisation of the characteristic.

It is available with analogue or PWM or CAN BUS for a direct link with the latest engine control units available.



TECHNICAL DATA

Analogue version:

- Power supply: 5V±10%
- Logic power consumption: 17mA typical
- Hall effect linear position sensor
- Output type: Sink/Source
- Linearity: ±3% or better
- Output current Sink/source (Vs>4,5V): typical 2,5mA
- Response time: 1,8ms
- Load dump field decay: ±45V
- Reverse polarity protection
- Total full electronics resin finish
- Independent circuit for IVS

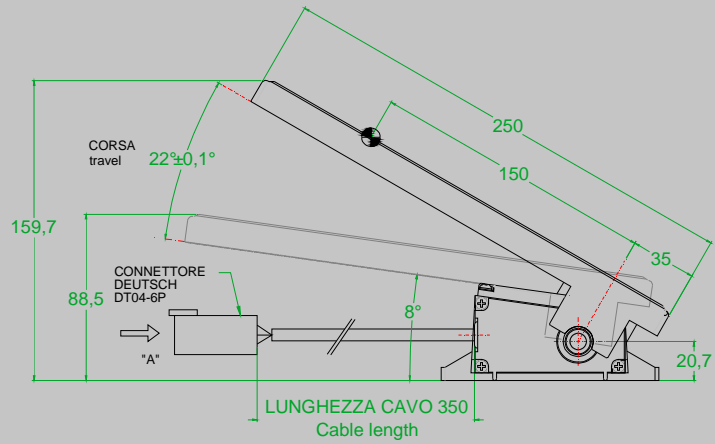
CAN-BUS version:

- Power supply: 8÷30 V
- Logic power consumption: 25mA typical
- Hall effect linear position sensor
- Output type: CAN-BUS 2.0B (11 or 29-bit), ISO 11898-2 compliance, max. 1 Mbit/s
- Linearity: ±3% or better
- CAN message rate: ≥ 10ms
- Load dump field decay: ±45V
- Reverse polarity protection
- Total full electronics resin finish
- Independent circuit for IVS

MECHANICAL AND RATING:

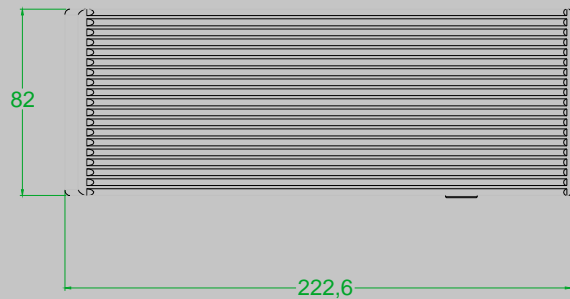
- Operative temperature range: from -30°C to +80°C (from -22°F to +176°F)
- Connector: Deutsch DT 04-6p (6 poles)
- Ingress Protection: IP69K (for all electric parts)
- Expected Mechanic Lifetime: 10⁶
- Material: Frame: Aluminum
Pedal: PA6

MECHANICAL DIMENSIONS :

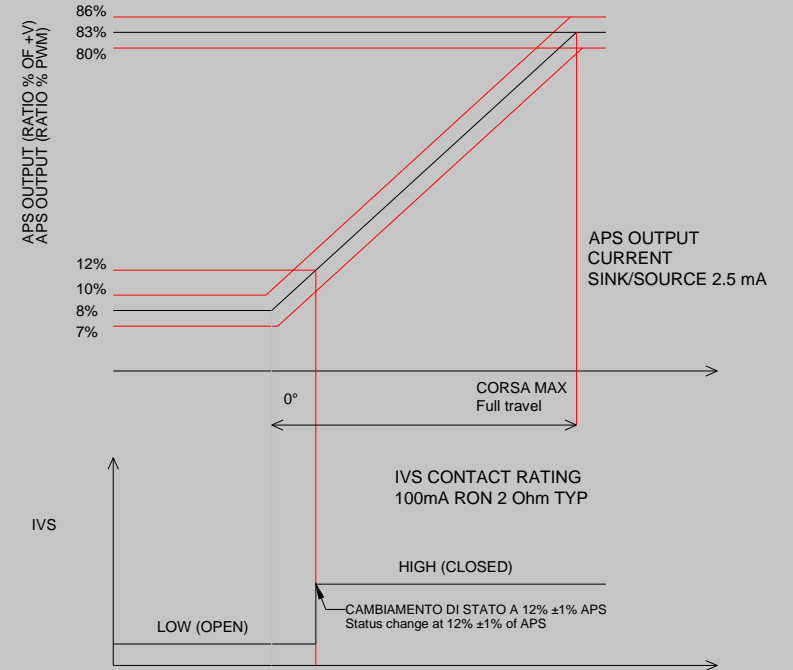


PUNTO DI APPLICAZIONE DELLA FORZA
Location of applied pedal force

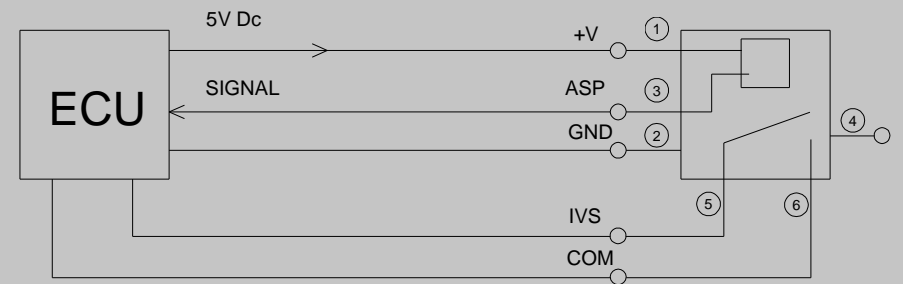
FINE CORSA (full travel): $45N \pm 6N$
INIZIO CORSA (idle travel): $15N \pm 3N$



ANALOGUE VERSION:



SCHEMA ELETTRICO APPLICATIVO
Application wiring diagram



Analog version

