

11 Channels, Switch Interface Unit, Model 302

Main Characteristics

- 11 channels differential switching unit
- High quality rotary switch with 3um gold plating
- Compatible with all 2 wires sensor
- Din rail mounted (TS35 and TS32)
- Isolated BNC output
- Spring cage terminal block input
- PCB Grounding plate connected to din rail

Description

The VibraSens switch interface unit is a multiple channel connecting centers for terminating and switching the outputs of up to 11 two-wire sensors. Pigtails (signal, common and shield) sensor cables are attached to spring cage terminal block. Data collection equipment with the sensor excitation power are mounted to BNC jack connector. Switch interface unit do not supply sensor excitation. PCB grounding plates are connected to din rail which greatly improve EMC. VibraSens offers enclosure for 1, 2 or 4 modules but it is not mandatory as the module can take place on any TS35/TS32 Din rail. Our module doesn't include Electrostatic Discharge protection already included in the electronic of our accelerometer.

Typical applications

Switchable interface module is installed in a convenient centralized location away from noisy or unsafe environment where portable collector can record the sensor reading. Simply connect the data collector with sensor excitation power to the BNC jack, and position the selector switch (1-11) in the appropriate position to access individual sensor measurement signals.

Ordering information

To order, specify model number :

302.01 Switch interface unit, Din rail mounted

302.11 Switch interface unit, Din rail mounted, right angle

Popular model (in stock) : 302.01 & 302.11

Specifications

Electrical

Channels.....	11
2 Wire sensors.....	©ICP Piezoelectric accelerometer
.....	Velocimeter
.....	Eddy current proximity sensor
Maximum switching voltage.....	42V
Maximum switching current.....	0.4A

Physical

Input.....	3-pole spring cage terminal
.....	AWG 24-14 / 0.2 - 1.5 mm ²
Output.....	Isolated BNC
Dimensions.....	see fig 1 & fig 2
Weight gr (oz).....	300 gr (10.6 Oz)
Material, Din rail profil.....	PVC Green (UL94)
Material, terminal.....	Polyamid green

Environmental

Temperature :

Operating continous -20 to +55 °C (-4 to 130 °F)

Ratings

Flammability rating UL 94 VO

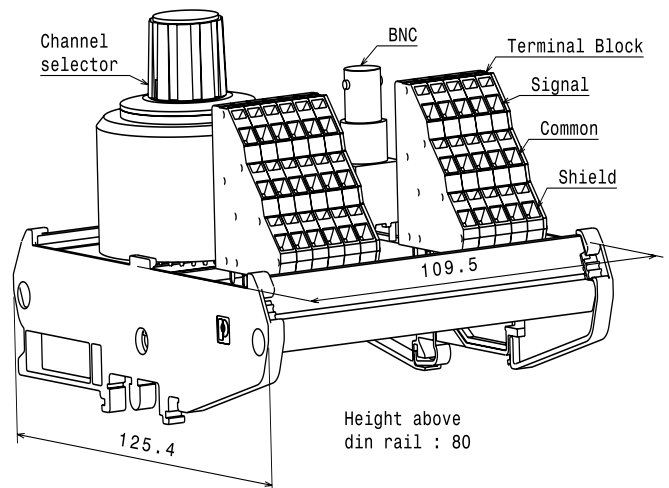
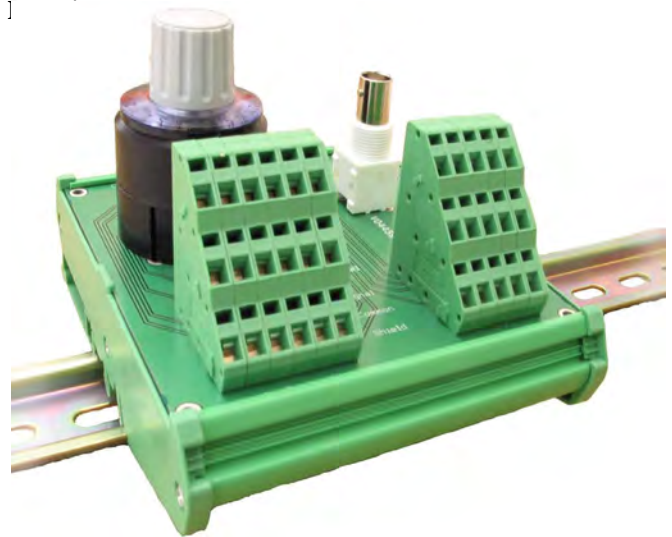


Fig 1 : Outline drawing, model 302.11

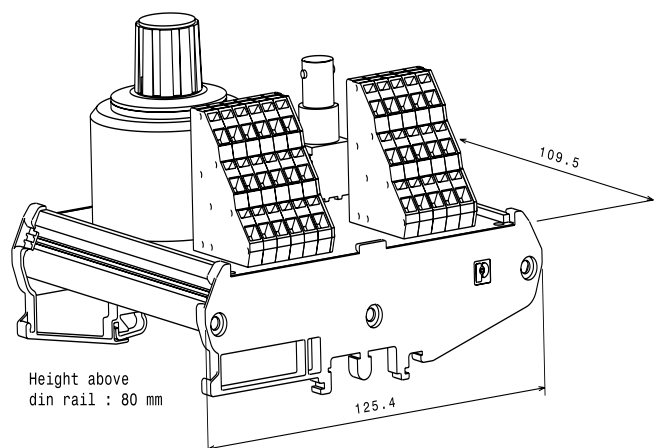


Fig 1 : Outline drawing, model 302.01