

## pressure gauges with electronic contacts

## 01.M1 and 01.M2 - DS 100

## 01.M1-M2

## Electronic contacts with PNP output

**Switching accuracy:** 1,5 times the instrument accuracy.

**Switching hysteresis:** 0,3...1% of full scale value.

**Adjustment:** over an arc of 270 °, through the knob placed on front lens or through removable key.

**Supply:** 10...30 Vdc.

**Switching current:** max 100 mA

**Temperature range:** -25...+65°C

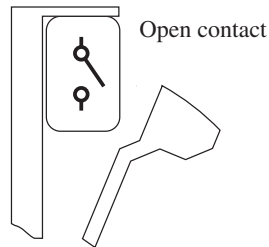
Electronic contacts are equipped with electrical distance sensors (proximity sensors). The output signal is governed by the presence or absence of a control vane moved by the actual value pointer in the magnetic field of the proximity sensor.

The switching behaviour of the PNP switches used in these contacts is normally defined as a "closer" (opposite to the inductive contacts).

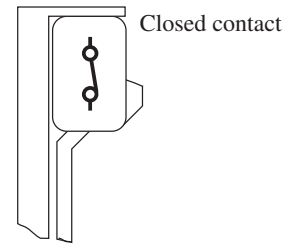
Due to their proximity type of switching, respect to the traditional sliding contact they offer better switching accuracy and extended service life.

They are properly designed to switch small DC load and so particularly suitable for a **direct wiring to PLC / PC** direct input and to trigger optoelectronic coupler.

Also they are the best preference for oil filled instruments to be installed in the most severe operating conditions created by the ambient environments.



Open contact



Closed contact

WIRING SCHEME (The numbers shown are the same as those indicated on the junction box)	THE PRESSURE RAISING MEANS...	CONTACT CODE
<b>FOR SINGLE CONTACTS...</b>		
	<u>Opening contact</u>	<b>E1</b>
	<u>Closing contact</u>	<b>E2</b>
<b>FOR DOUBLE CONTACTS...</b>		
	<u>Opening contact 1°</u> <u>Opening contact 2°</u> (each contact must not exceed the next one)	<b>E11</b>
	<u>Opening contact 1°</u> <u>Closing contact 2°</u> (each contact must not exceed the next one)	<b>E12</b>
	<u>Closing contact 1°</u> <u>Opening contact 2°</u> (each contact must not exceed the next one)	<b>E21</b>
	<u>Closing contact 1°</u> <u>Closing contact 2°</u> (each contact must not exceed the next one)	<b>E22</b>