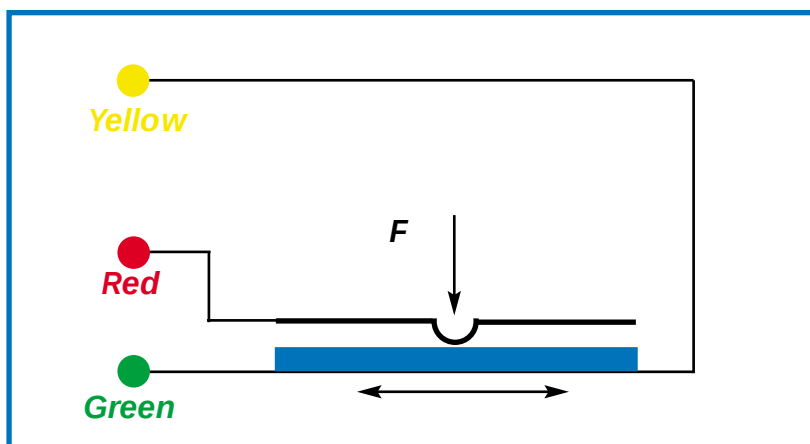
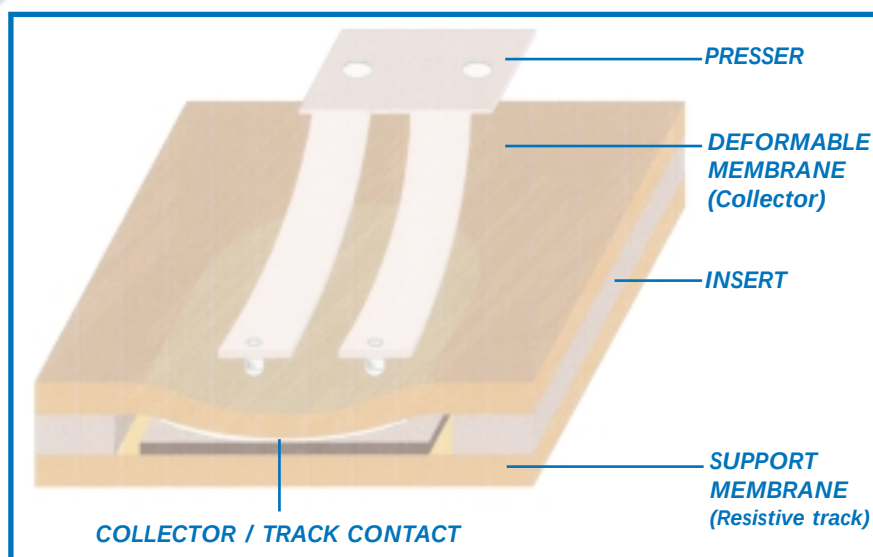


ANALOG MEMBRANE DISPLACEMENT SENSORS

- Sealed
- Infinite resolution
- High integration capacity
- Durability
- Rectilinear : PMA type
- Circular : PMC type

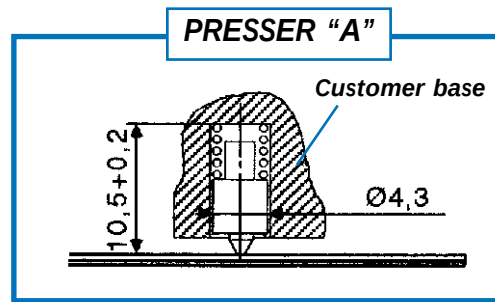
OPERATING DESCRIPTION



The voltage varies according to the position of the presser on the deformable membrane.

OPTIONS (consult us)

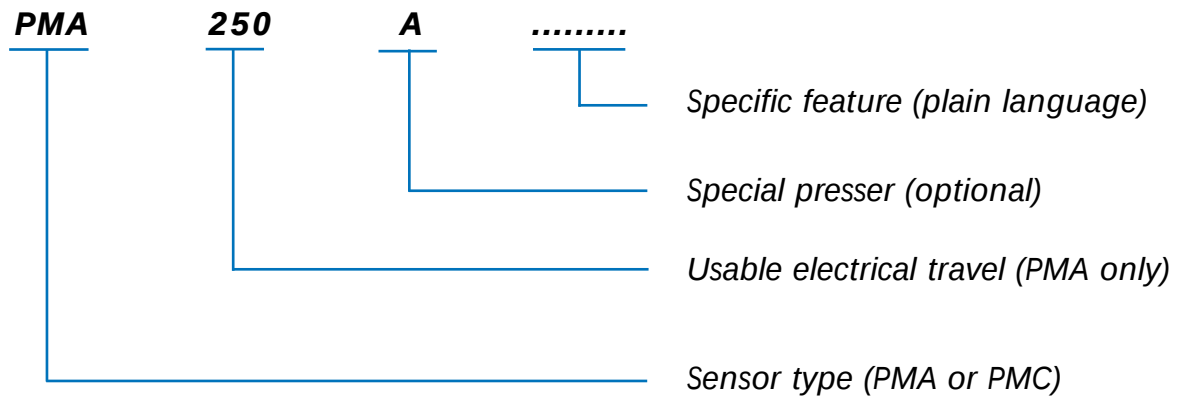
- Other presser



SPECIFIC VERSIONS (consult us for study)

- Other electrical or mechanical characteristics
- Other bases
- Integration in equipment

HOW TO MAKE OUT YOUR ORDER



For information only and subject
to amendment



*See "Specific PMA characteristics" table

MECHANICAL CHARACTERISTICS

TYPE	PMA	PMC
Design Mechanical travel Backlash	Flexible insulating films = Total electrical travel < 0.1 mm	Flexible insulating films on FR4 substrate = Total electrical travel (customer stops) < 0.3°
Connection Mounting Displacement speed	3 x AWG 22 colour wires length 300 mm With double-sided adhesive on flat, clean and dry base ≤ 1.5 m/s	
Drive	Torque ≥ 0,3 N	Torque ≥ 1 N.cm
Max. alignment fault	± 1 mm	

ENVIRONMENT

TYPE	PMA	PMC
Life	25.10 ⁶ operations for TET < 200 mm 15.10 ⁶ operations for TET ≥ 200 mm	> 10.10 ⁶ cycles
Temperature range operating storage Protection index (NFC 20 010) Base	- 30°C to + 80°C - 40°C to + 90°C IP 66 flat, clean and dry	

SPECIFIC PMA CHARACTERISTICS

TET (mm)	Dissipation at + 40°C	Total Electrical Travel (mm)	Film length (mm)
50	≤ 0,5 W	54	75
100	≤ 1 W	104	125
150	≤ 1,5 W	154	175
200	≤ 2 W	204	225
250	≤ 2,5 W	254	275