GEFRAN

PZ67-A

RECTILINEAR DISPLACEMENT TRANSDUCER WITH IP67 PROTECTION LEVEL



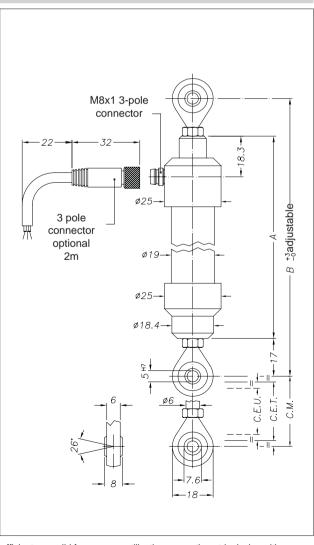
Main features

- This transducer is designed to guarantee a high protection level (IP67) in applications under harsh conditions and outdoors, where it may be necessary to work in the direct presence of dust, dirt, or liquids (not in prolonged immersion)
- Its high protection level and very small size make the PZ67-A unique in terms of reliability and flexible installation
- It is ideal for glass cutting and washing machines or for honers and sanders if there is direct exposure to liquids or even just steam
- Indicated for test and bench equipment, especially if outdoors

TECHNICAL DATA

10/25/50/75/100/125/150/175/200/ 250/300
see table
infinite
0.01mm
M8x1 3-pole connector
IP67 (use M8x1 3-pole female
connector with IP67 or
higher protection level)
> 25x10 ⁶ m strokes, or
> 100x10 ⁶ maneuvers, whichever
is less (within C.E.U.)
Standard ≤ 3 m/s max ≤ 5 m/s
≤ 20N
52000Hz, Amax =0,75 mm
amax. = 20 g
50 g, 11ms.
200 m/s ² max (20g)
± 20%
< 0.1 μΑ
10mA
see table
>100MΩ at 500V=, 1bar, 2s
< 100 μA at 500V~ ,50Hz, 2s,1bar
3W
-200+ 200 ppm/°C typical
≤ 5ppm/°C typical
-30+100°C
-50+120°C
Anodised aluminium
C45 Chrome steel 20µm
Self-aligning joints with adjustable

MECHANICAL DIMENSIONS

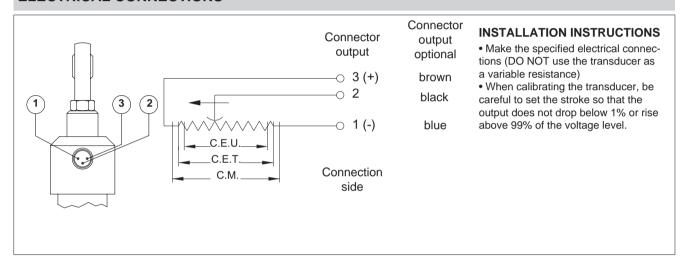


Important: all the data reported in the catalogue linearity, lifetime, temperature coefficient are valid for a sensor utilization as a ratiometric device with a max current across the cursor Ic \leq 0.1 μ A

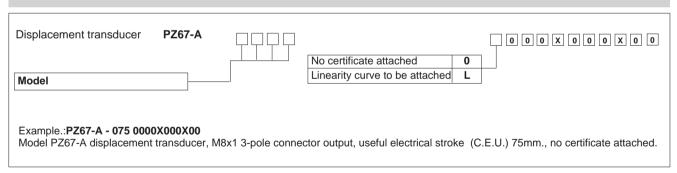
MECHANICAL / ELECTRICAL DATA MODEL 25 50 75 100 125 150 175 200 250 300 Useful electrical stroke (C.E.U.) +1 / -0 mm 10 25 50 75 100 125 150 175 200 250 300 Theoretical electrical stroke (C.E.T.) ± 1 mm C.E.U. +1 Resistance (sulla C.E.T.) kΩ 2 1 5 6 7 10 12 1 3 4 8 Independent linearity ± % 0,05 0,5 0,2 0,1 0,1 0,1 0,05 0,05 0,05 0.05 0,05 (within C.E.U.) Dissipation at 40°C (0W at 120°C) W 0.3 8.0 1.6 2.6 8 ٧ Maximum applicable voltage 15 20 40 60 Mechanical stroke (C.M.) mm C.E.U. +5 Case length (A) mm 113.5 128.5 153.5 178.5 203.5 228.5 253.5 278,5 303.5 353.5 403,5 Recommended distance between mm 148 163 213 238 288 313 338 388 188 263 438 brackets (B)

Note: It is recommended to keep the sliding parts lubrificated, at least every 6 months.

ELECTRICAL CONNECTIONS



ORDER CODE



ACCESSORIES (on request)

Code
Female connector + 2 meter cable in wired PVC
CAV010

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice

