



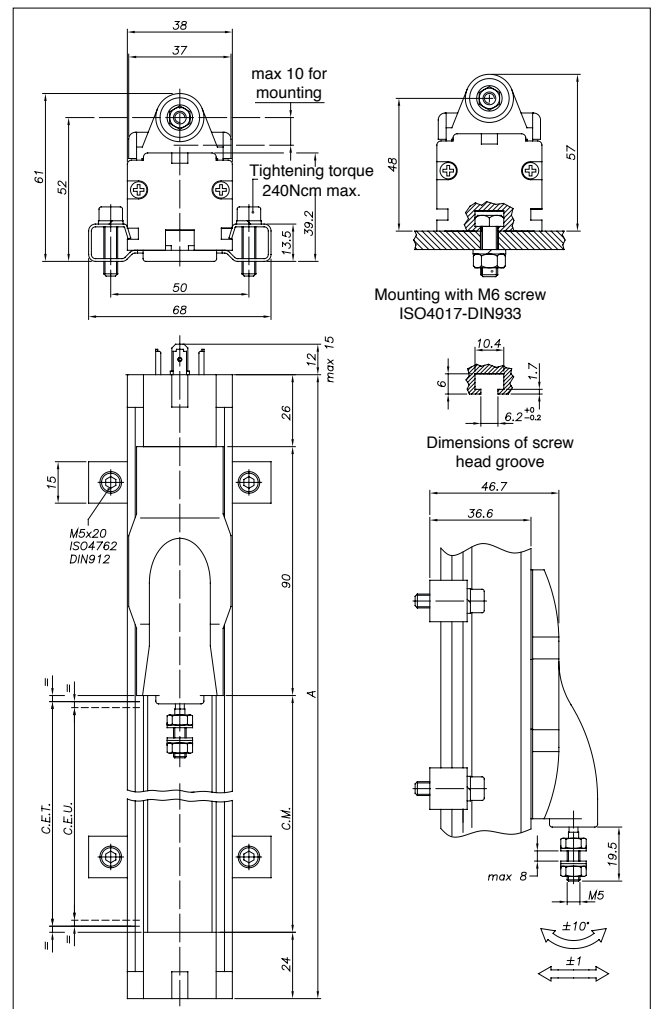
Main features

- The transducer has been improved in order to guarantee greater reliability under all conditions
- Mechanical linkage using joint with take up of play, M5 thread
- Installation is made simpler by the absence of electrical signal variation in output, outside the Theoretical Electrical Stroke
- The new grooves provide an excellent alternative to the usual system of fastening with brackets
- Ideal for applications on plastic injection presses, vertical presses, and on many other processing machines
- Grade of protection IP40

TECHNICAL DATA

Useful electrical stroke (C.E.U.)	100/130/150/175/200/225/250/300/350/360/400/450/500/600/700/750/850/900/1000/1250/1500/1750/2000
Independent linearity (within C.E.U.)	± 0,05%
Resolution	infinite
Repeatability	0.01 mm
Electrical connection	PK M - DIN43650 4-pin connector PK B - DIN43322 5-pin connector
Protection	IP40
Displacement speed	≤ 10m/s
Displacement force	≤ 1.2 N
Vibrations	5...2000Hz, Amax =0,75 mm amax. = 20 g
Shock	50 g, 11ms.
Acceleration operative	200 m/s ² max (20g)
Tolerance on resistance	± 20%
Recommended cursor current	< 0,1 µA
Maximum cursor current	10mA
Maximum applicable voltage	60V
Electrical isolation	>100MΩ at 500V=, 1bar, 2s
Dielectric strength	< 100 µA at 500V~, 50Hz, 2s, 1bar
Dissipation at 40°C (0W at 120°C)	3W
Temperature Coefficient of the resistance	-200 +200 ppm/°C typic
Actual Temperature Coefficient of the output voltage	≤ 5ppm/°C typic
Working Temperature	-30...+100°C
Storage Temperature	-50...+120°C
Case material	Anodised aluminium Nylon 66 G 25
Mounting method	Brackets with variable longitudinal axis with M6 screw ISO4017-DIN933

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 $I_c \leq 0.1 \mu A$.

