



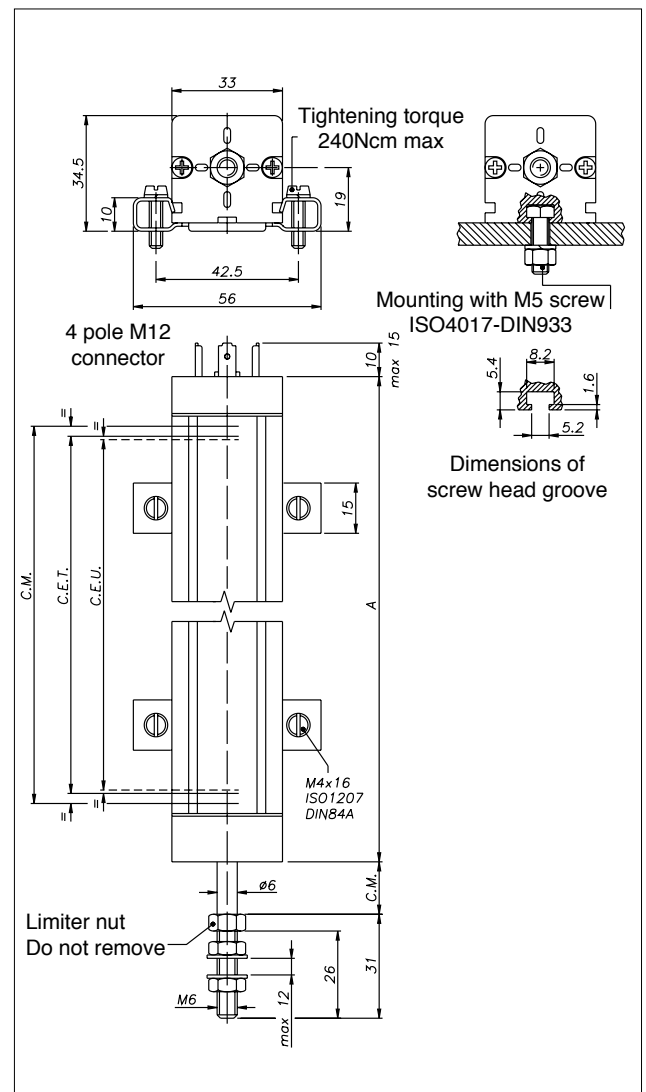
Main features

- 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)
- The grooves on the profile provide an excellent alternative to the usual system of fastening with brackets
- Ideal for applications on plastic injection presses with installation at points that are highly exposed to lubricants
- Also indicated for processing machines on which the transducer cannot be protected by guards

TECHNICAL DATA

Useful electrical stroke (C.E.U.)	50/75/100/130/150/175/200/225/275/300/350/375/400/450/500/600/650/750/900
Independent linearity (within C.E.U.)	± 0.05%
Resolution	infinite
Repeatability	0.01mm
Electrical connection	M12 4-pole connector
Protection level	IP67 (use M12 4-pole female connector with IP67 or higher protection level)
Life (NOT used in prolonged immersion)	> 25x10 ⁶ m strokes, or > 100x10 ⁶ maneuvers, whichever is less (within C.E.U.)
Displacement speed	Standard ≤ 3 m/s max ≤ 5 m/s
Displacement force	≤ 20N
Vibrations	5...2000Hz, Amax = 0.75 mm amax. = 20 g
Shock	50 g, 11ms.
Acceleration	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
Thermal coefficient of resistance	-200...+ 200 ppm/°C typical
Actual Temperature Coefficient of the output voltage	≤ 5ppm/°C typical
Working temperature	-30...+100°C
Storage temperature	-50...+120°C
Material for transducer case	Anodised aluminium Nylon 66 G 25
Material for pull shaft	C45 chrome steel 20µm
Mounting	Brackets with adjustable distance between centers or with M5 screw ISO4017-DIN933

DIMENSIONI MECCANICHE



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

