



Applicative characteristics

- The PC67 displacement transducer was developed to guarantee a high protection level (IP67) in applications under harsh conditions and outdoors, where it may be necessary to work in the presence of dust, dirt, or liquids (not in prolonged immersion).
- The robust structure of the PC series has been improved thanks to a sealing system (patent pending) that makes it extremely reliable.
- Ideal for mobile hydraulic applications, on agricultural machines, earth-moving equipment and utility vehicles.

TECHNICAL DATA

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|--|---|
| Useful electrical stroke (C.E.U.) | 50/100/130/150/175/200/225/275/300/360/375/400/450/500/600/750 |
| Independent linearity (within C.E.U.) | ± 0,05% |
| Resolution | Infinite |
| Repeatability | 0,01 mm |
| Electrical connection | 4 pole M12 connector |
| Protection | IP67 (use M12 4-pin female connector with IP67 protection level or higher) |
| Life (NOT for 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 | ≤ 30 N |
| Vibrations | 5...2000Hz, Amax =0,75 mm amax. = 20 g |
| Shock | 50 g, 11ms. |
| 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 | < 100μA 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 | ≤ 5 ppm/°C typic |
| Working temperature | -30...+100°C |
| Storage temperature | -50...+120°C |
| Case material | Anodised aluminium |
| Control rod material | C45 steel, chromium plated 20μm |
| Mounting method | 2 selfloading and selfaligning ball-joints |

MECHANICAL DIMENSIONS



