

FEATURES

- High reliability
- Simple construction (only 3 component parts)
- Over-moulding manufacturing technique
- Plastic or metal clip versions available
- Various fixation means: clip type (inward/outward actuating), locating pins,...

TYPICAL APPLICATIONS

Provides a low cost, highly reliable solution for all position sensing applications:

- Automotive seat position memory, central locking, headlamp position and rear-view mirror position sensors.

MECHANICAL SPECIFICATIONS

Mechanical travel:

- NPL07.....7,25mm
- NPL08.....8mm
- NPL12.....12mm

Electrical travel: (see how to order)

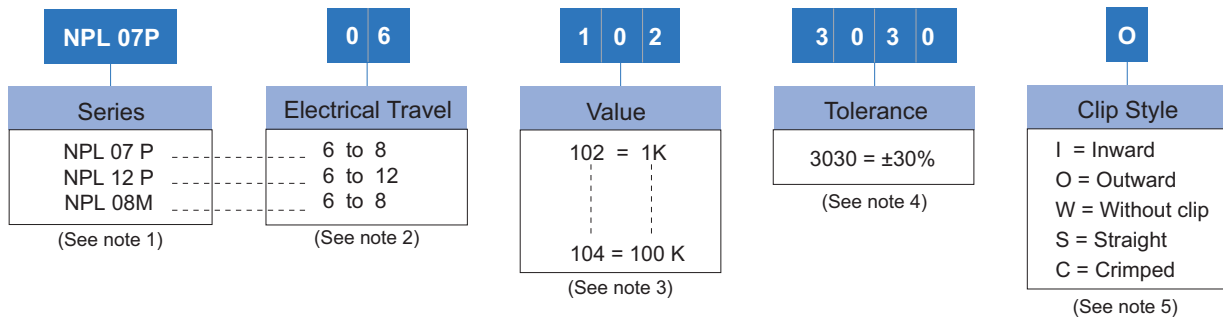
Sliding force: ≤ 2N @ 10mm/sec
 Stop strength: 30N for 5 secs

ELECTRICAL SPECIFICATIONS

Range of values:	1K to 100K ohms
Tolerance:	± 30%
Max. voltage*:	50 VDC to 100 VDC
Power rating*:	0.20 W @ 50°C
Operating temperature:	-40°C to +105°C
Taper**:	Linear
Relative linearity**:	± 2%
Mechanical Life:	50k cycles

* Depending on model ** Others upon request

HOW TO ORDER

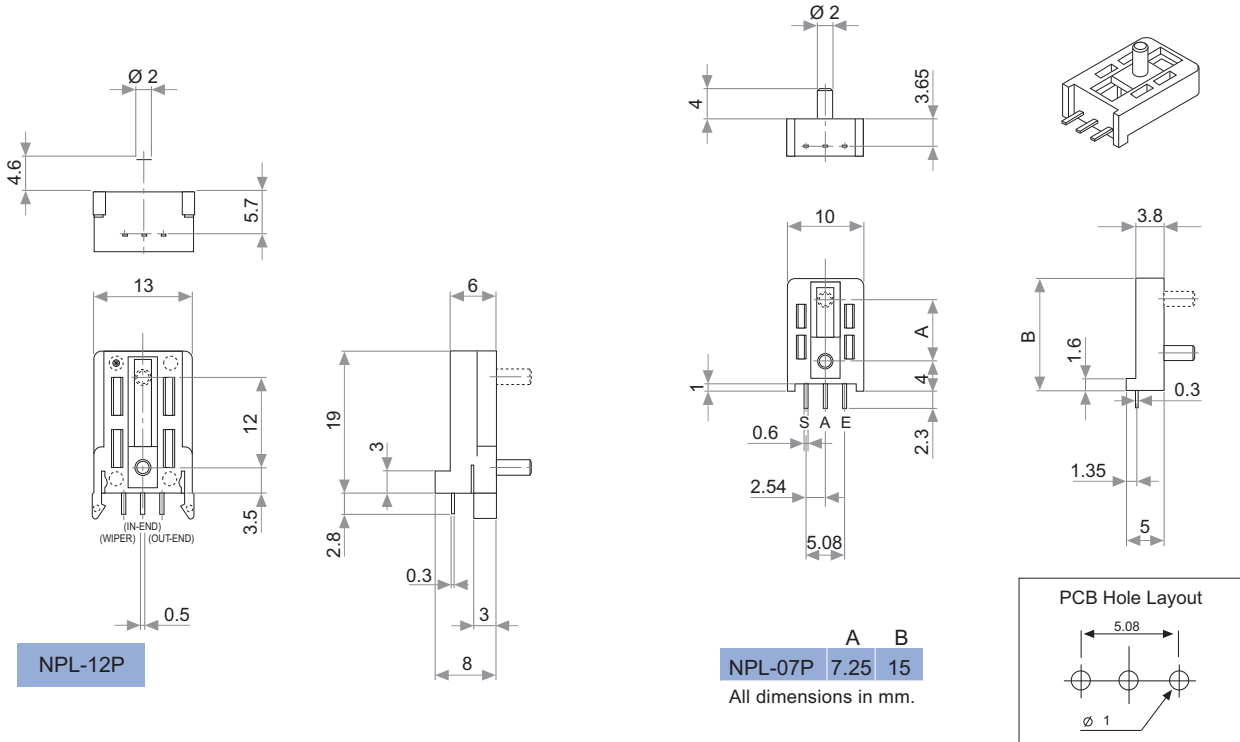


NOTES:

- (1) Suffixes: P = Plastic, M= Metal
- (2) Each NPL series has its own Electrical Travel range as shown.
- (3) Value Example: Code: 10 2 → 1kΩ
 Number of zeros
 First two digits of the value.
- (4) Non standard tolerance, upon request. Example: +25% Code: 25 20
 -20% → negative tolerance
 positive tolerance
- (5) S and C options only available for NPL08M (metal version)
 W option only available for NPL07P
 I and O options only available for NPL12P

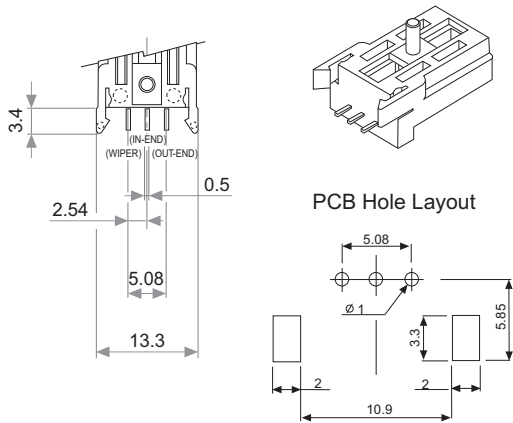
NOTE: The information contained here should be used for reference purposes only.
 This project has been financially supported by the Spanish Technological Development Institute (CDTI).

PLASTIC VERSIONS

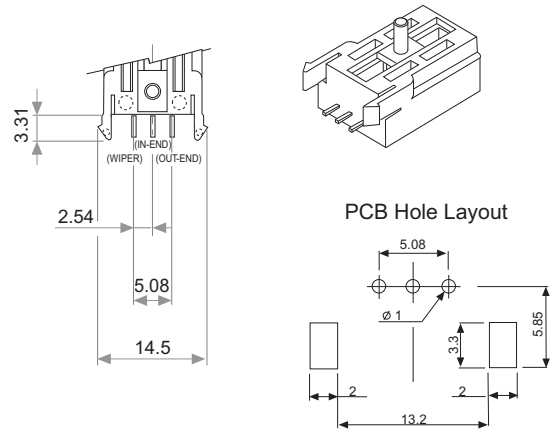


CLIP STYLE DETAILS (FOR NPL12P)

INWARD FACING CLIPS

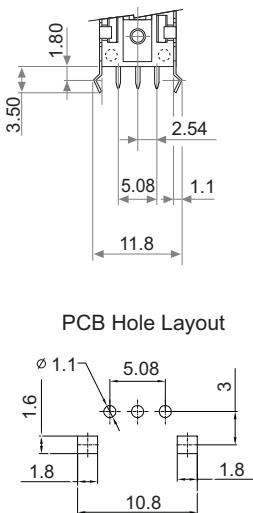


OUTWARD FACING CLIPS



METAL VERSION (NPL08M)

CRIMPED



STRAIGHT

