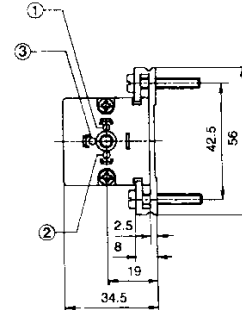
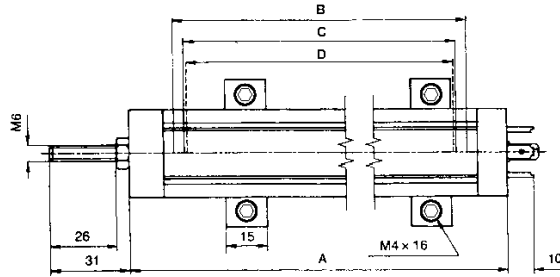
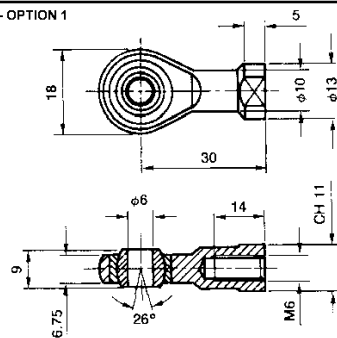


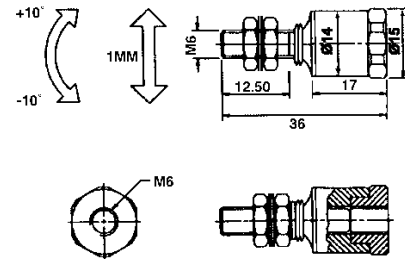
Measures without tolerance according to UNI ISO 2768-mk



OPZIONE 1 - OPTION 1



OPZIONE 2 - OPTION 2



### TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

- Weight.....:please refer to the table on page 2
- Standard stroke.....:please refer to the table on page 2
- Anodised aluminium housing with nylon 66 with fiber glass closing flanges.
- Low Noise Output from resistive element in conductive plastic.
- Fixing with movable metallic feet.
- Sealing.....:standard IP60 ; sealed IP65 (°)
- Linearity.....:± 0,05% (please refer to the table on page 2)
- Repeatability.....: < ± 0,013mm
- Resolution.....:infinite
- Max operating speed.....:10 m/s
- Starting force.....:standard <=2N; sealed <=10N
- Impact resistance.....:10 G (\*)
- Vibration resistance.....:40 G (\*\*)
- Operating temperature.....:-30 ÷ 100 °C
- Storage temperature.....:-50 ÷ 120 °C
- Power supply.....:60V max
- Max consumption.....:3W - 10W
- Insulation.....:residue current < 5 µA @ 500V per 1 minute
- Current (resistance).....:<= 10mA
- Current (cursor).....:<= 1mA (recommended <1µA)
- Output smoothness.....:< ± 0.1% against input voltage
- Operating life.....:> 100x10<sup>6</sup> Cycles
- Electrical connections by orientable connector DIN 43650 IP65-ISO 4400.

(°) IP accord. to CEI EN 60529, EN 60529, IEC 529 Standards

(\*) Impact resistance accord. to IEC 68-2-6:1982 Standard

(\*\*) Vibration resistance accor. to IEC 68-2-29:1968 Standard



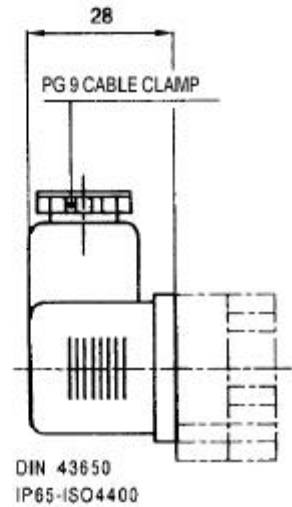
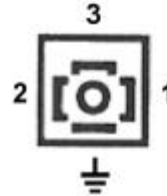
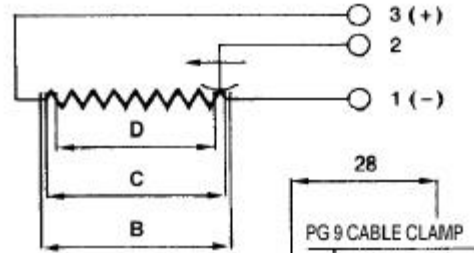
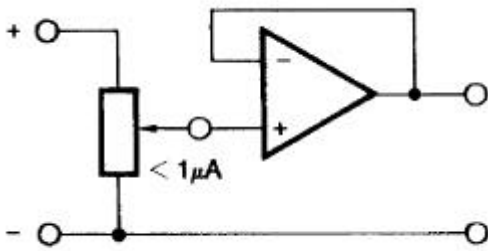
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## USEFUL STROKES AND TOTAL LENGTHS\*

	50	75	100	130	150	175	200	225	250	275	300	350	375	400	425	450	500	600	750	900	-
Total travel (C) mm	53	78	103	133	153	178	204	229	254	279	304	354	380	406	432	457	508	609	762	914	-
Active travel (D) mm	51	76	101	131	151	176	202	227	252	277	302	352	378	404	430	455	506	607	760	912	-
Resistance ±20% kOhm	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	10,0	10,0	-
Linearity ±%	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	0,05	-
Mechanical tr.(B) mm	59	84	109	139	159	184	210	235	260	285	310	360	386	412	437	463	518	619	772	924	-
Total lenght (A) mm	114	139	164	195	215	241	266	291	316	341	367	417	444	469	494	520	570	672	825	977	-
Weight g	300	325	350	375	400	450	475	500	525	550	600	650	675	700	725	750	800	950	1125	1280	-

## MEASUREMENT CIRCUIT AND ELECTRICAL CONNECTIONS



NOTE:  
 The published technical data are applicable only when the transducer is used correctly and in accordance with the user manual/instructions.  
 The linear position transducer must be used as voltage divider with a maximum current in the wiper contact of 1  $\mu$ A.  
 Should the system downstream require more current, further circuitry will be required.

## ORDERING INFORMATION

( 50 )( 75 )(100)(130)(150)(175)( 200 )  
 ( 225 )( 250 )( 275 )( 300 )( 350 )( 375 )( 400 )  
 ( 425 )( 450 )( 500 )( 600 )( 750 )( 900 )( - )

FAMILY

L

OPTION MODEL

RPC

STANDARD STROKE (mm)\*

500

RESISTIVE VALUE (kOhm)

05

( 1 ) ROD END BEARING  
 ( 2 ) LINK BALL  
 ( 3 ) SEALED IP65  
 ( )

(05) 5 kOhm (ref. to table)  
 (10) 10 kOhm (ref. to table)

Product manufactured according to UNI EN ISO 9001:2000, supplied with CHECKING and CONFORMITY declaration with CE mark and with TWO (2) YEARS WARRANTY starting from delivery date.

(\*) Other lenghts upon request.

ELCIS company has the right to make any changings without previous notice.

data sheet IL006 E0A page:04.RPC

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