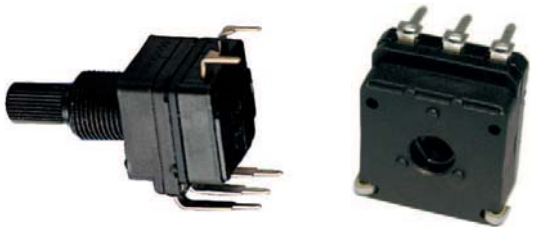
PC16 & PC16 SC
16mm rotary potentiometer



Main features

Plastic material according to UL94V-0	yes
Resistive element	carbon
Dust proof enclosure	yes
Modular gang type (up to 4)	yes
Stereo matching	upon request
Nut & washer	upon request
Special tapers	yes
Switch option	yes
Shafts available	yes (plastic, metallic)
Bushings available	yes
Bushless version available	yes
10A/250V switch rating available	yes (upon request)

Electrical specifications

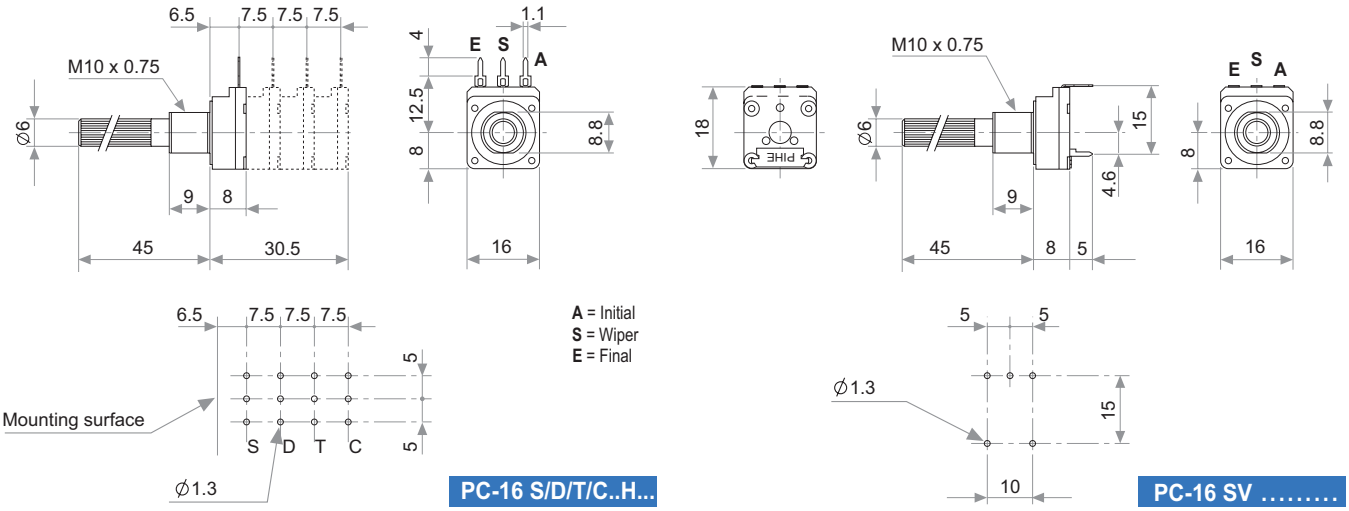
Range of values*	100Ω ≤ Rn ≤ 5 M (Decad. 1.0 - 2.0 - 2.2 - 2.5 - 4.7 - 5.0)
Tolerance*	100Ω ≤ Rn ≤ 1M Ω ------ ± 20% 1MΩ < Rn ≤ 5M Ω ------ ± 30%
Max. Voltage	250 VDC (lin) 125 VDC (no lin)
Nominal Power	50°C (122°F) 0.2 W (lin) 0.1 W (no lin)
Taper*	Lin, Log, Alog (Log & Alog only Rn>1k)
Residual resistance*	≤0.5% Rn (5Ω min.)
Equivalent noise resistance	≤ 3% Rn (3 Ω min.)
Operating temperature	-25°C + 70°C** (-13°F + 158°F)

(*) Others upon request (**) Up to 85°C depending on application

Mechanical specifications

Mechanical rotation angle	300° ± 5°
Electrical rotation angle	280° ± 20°
Torque	0.5 to 1.5 Ncm. (0.7 to 2.1 in-oz)
Stop torque	> 40 Ncm. (>56 in-oz)
Max. torque nut (binding out)	< 80 Ncm. (112 in-oz)
Thrust and pull in the shaft	> 25 N
Life	25K cycles

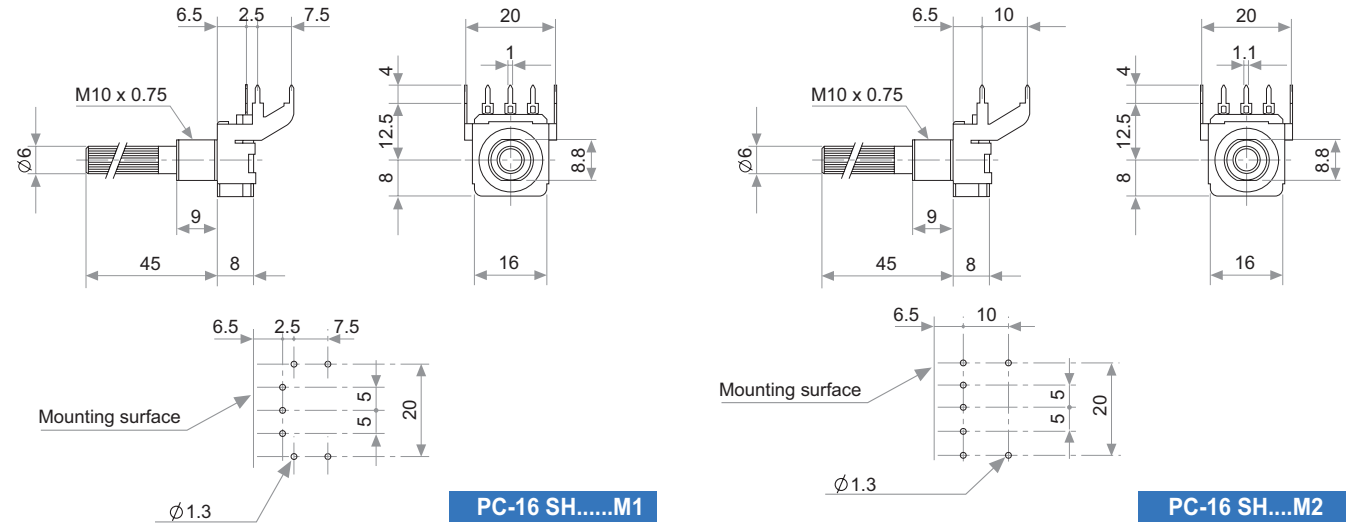
Models



PC-16 S/D/T/C..H...

PC-16 SV .....

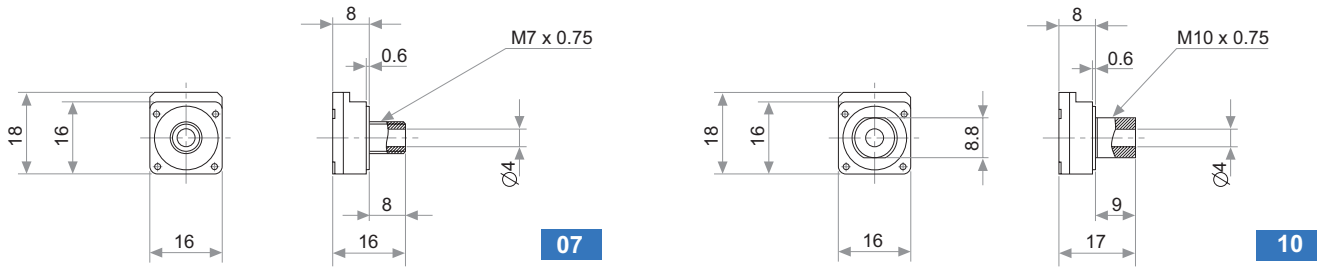
Metallic support



PC-16 SH.....M1

PC-16 SH....M2

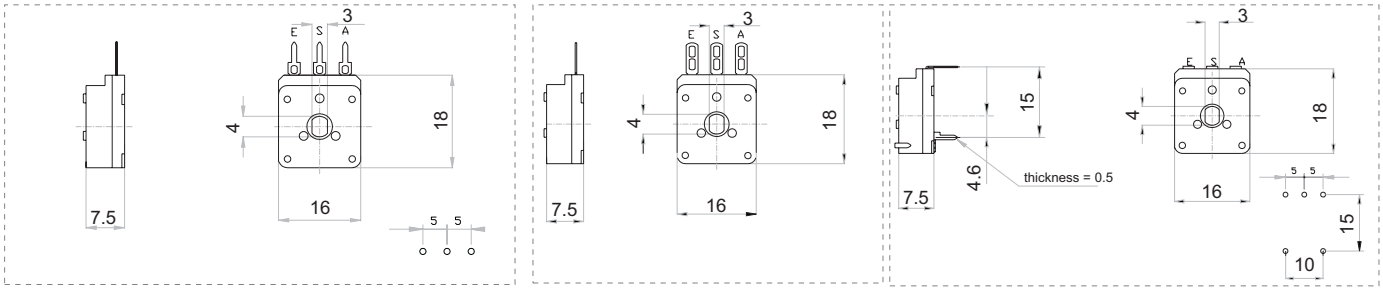
Bushings



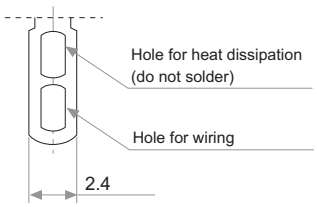
07

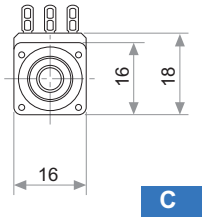
10

Examples of bushless versions

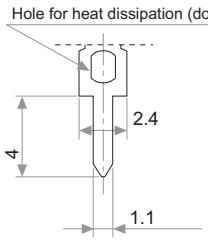


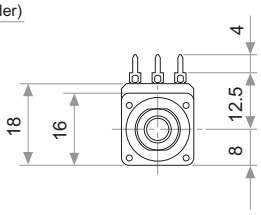
Terminals





C

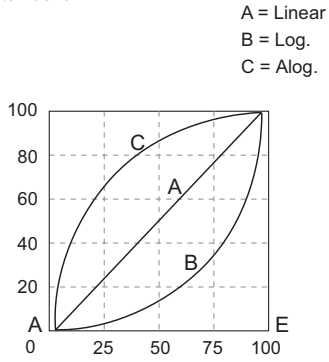




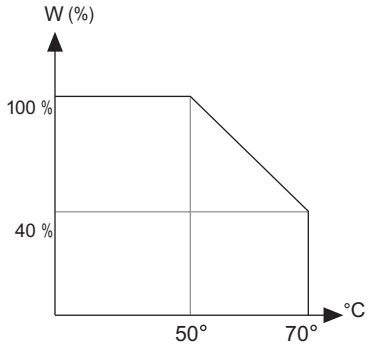
I

TAPERS

Standard

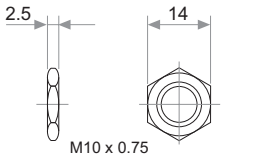


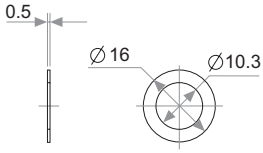
POWER RATING CURVE



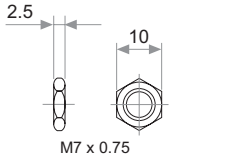
NUTS & WASHERS

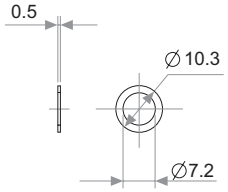
Bushing 10





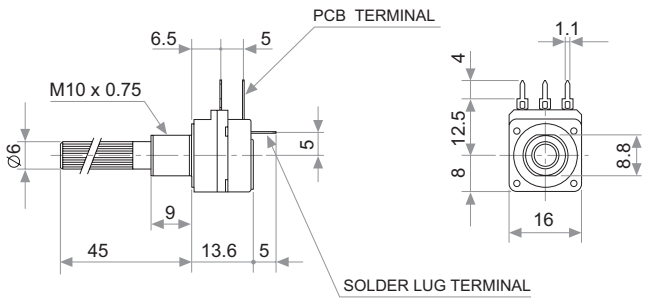
Bushing 07

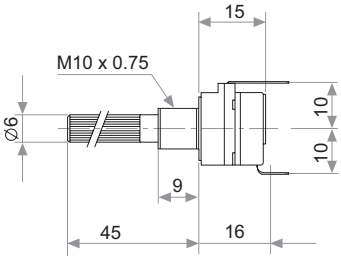


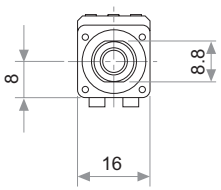


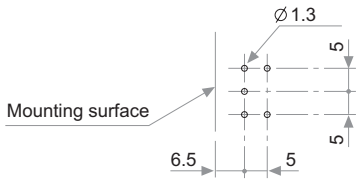
NOTE = Please note relative terminal positions when ordering non linear tapers.

Switch

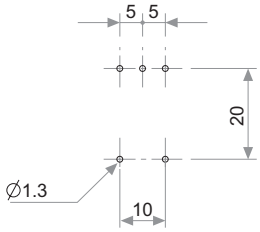








PC-16S . . . H . . . . . . I / C



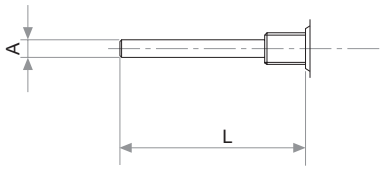
PC-16SV . . . I

Packaging

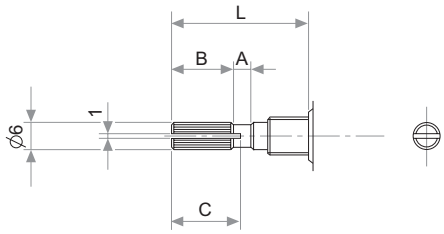
Boxes of 50 pieces (160 x 110 x 85 mm.)

Metal shafts

STANDARD

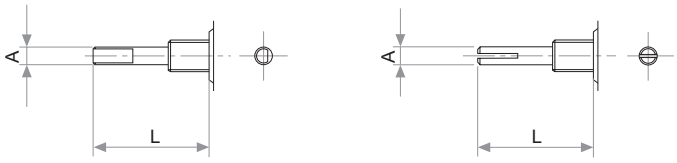


A	L	CODE
4	45	M04
6	45	M06
6.35	45	M07



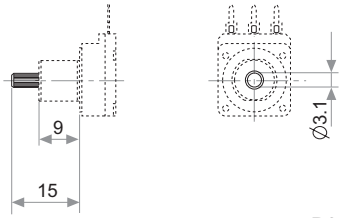
A	B	C	L	CODE
2	5	7	15	M11
2	10	11	20	M12
4	12	14	25	M13
4	12	14	30	M14
4	12	14	35	M15
4	12	14	40	M16
4	12	14	45	M17

SPECIAL



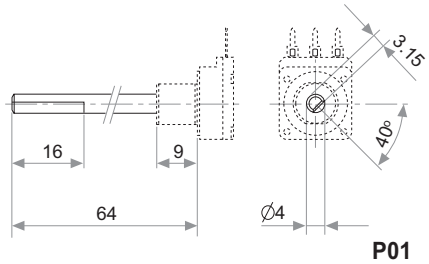
A
Ø 4
Ø 6
Ø 6.35

Plastic shafts Ø 3.1

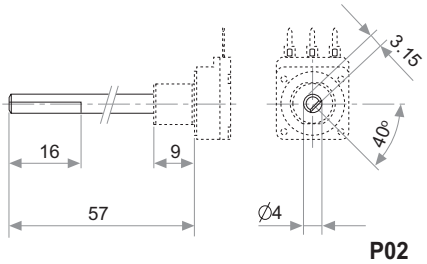


P09

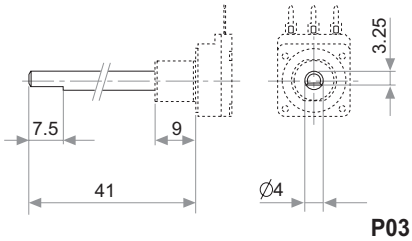
Plastic shafts Ø4



P01

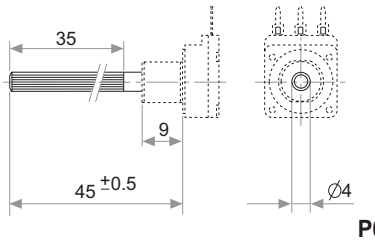


P02

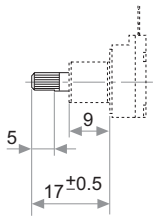


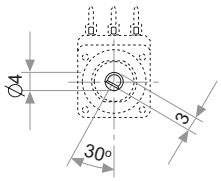
P03

Plastic shafts Ø4

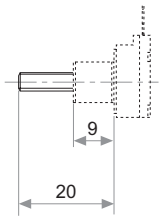


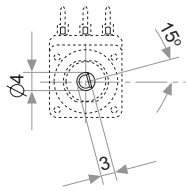
P04



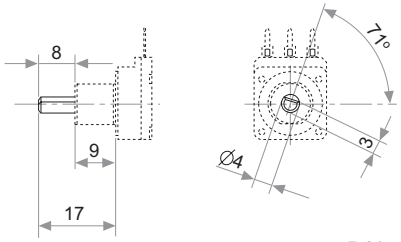


P07

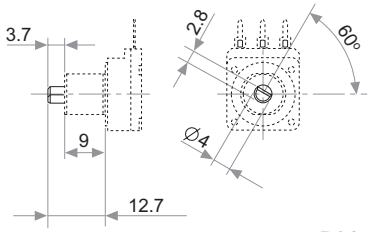




P08

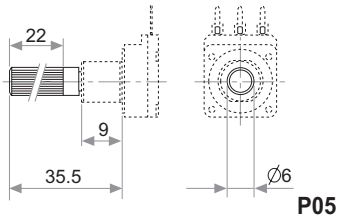


P10

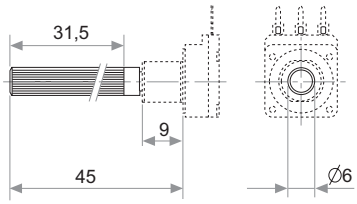


P21

Plastic shafts Ø6

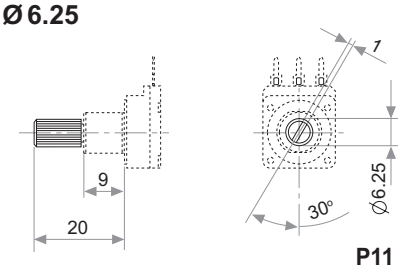


P05

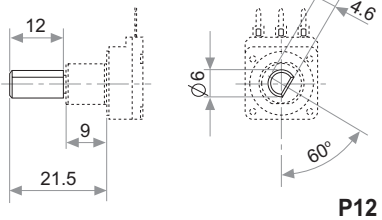


P06

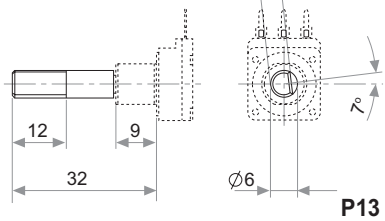
Ø6.25



P11



P12



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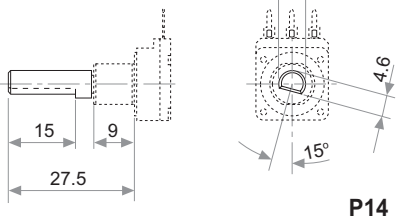

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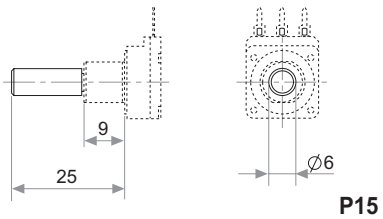
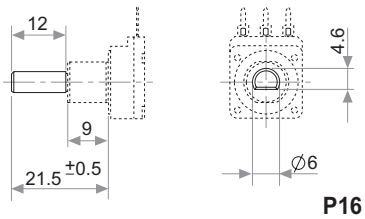
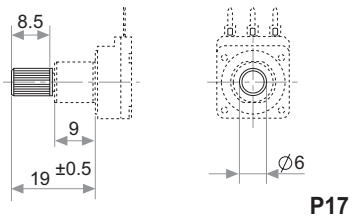


P15



P16



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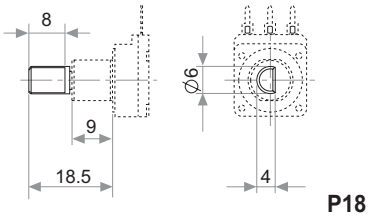

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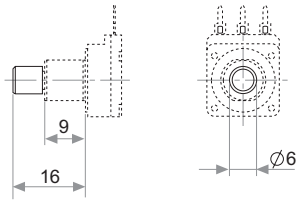

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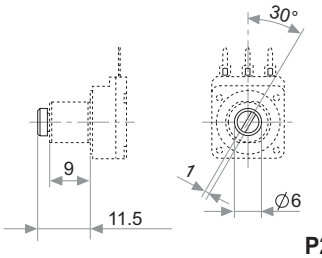
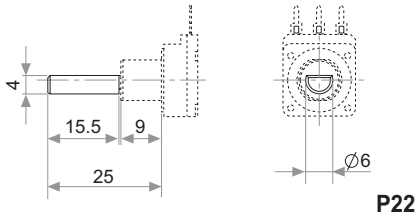


P20

NOTE: Shaft position shown full CCW. Any other position for plastic shafts has to be shiftted n times 24°
Other positions upon request.



P22