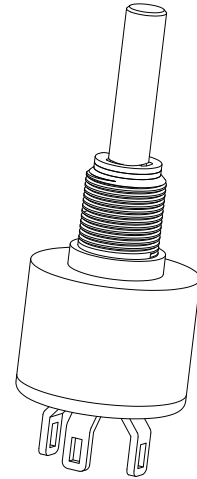
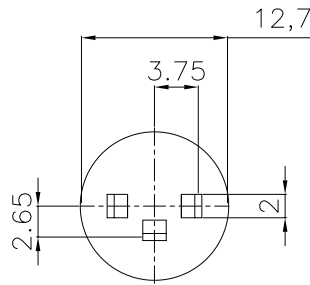
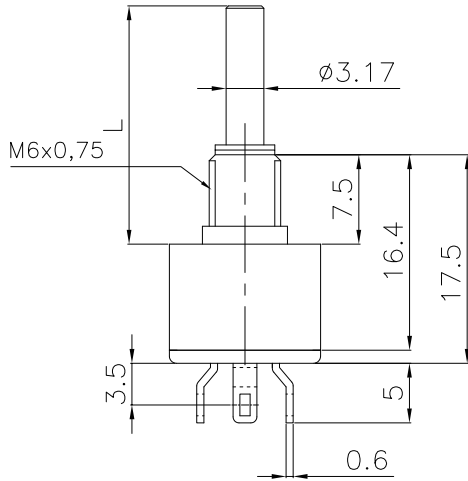
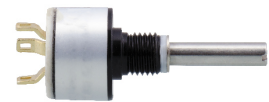


Please note: The specification and information in this datasheet cannot consider all special demands that are caused by the application. Because of this, there are no general description of the properties of the product. MegAuto does not assume any responsibility for damages due to improper application of our products. The user has to ensure on his own, that the products used are suitable for his application. MegAuto does not warrant the reproducibility of published information. The specifications can be changes any time without notice.

Series 12 Long Life Potentiometer

- Space efficient high performance angle sensor or setting device
- Outside diameter 12,7 mm
- Long life and good linearity
- Metal housing, conductive plastic sensor element, precious metal slider

CP12B



ELECTRICAL CHARACTERISTICS

Resistance element	conductive plastic
Resistance range (Ω)	1k,5k,10k
Resistance tolerance (%)	± 20
Linearity tolerance (%)	± 3
Power rating (W)	0.2
Electrical electrical angle (°)	300 ± 5
Operating life (rotations)	3.000.000
Maximal wiper current	1 mA
Resolution (IEC 60393)	quasi infinite
Insulation resistance	1000 MOhm at 500 VDC
Dielectric strength	500 VAC

MATERIAL

Housing	anodized aluminium
Shaft	stainless steel
Terminals	brass, gold plated
bushing	anodized aluminium

OPTIONS ON REQUEST

Special resistance value
Special electrical angles (A)
Special shaft length (SL)
IP65 protection frontside (IP65)
Special torque

MECHANICAL CHARACTERISTICS

Mechanical angle	360° continuous
Starting torque (gcm)	20 gcm
Rotational life (shaft revolutions)	(typ. IEC 60393) 3.000.000
Operating temperature (°C)	-40°C +85°C
TCR	400 ppm /°C
Bearing type	sleeve bearing / teflon

Application

This space-optimized conductive plastic potentiometer of series 12 comes with a high resolution and long life characteristic. A special teflon-bush inside the bearing gives a very smooth run. The small size makes it suitable for mobile sensors as well as panel components for medical equipment or panel controls for industrial applications.

ORDERING INFORMATION

CP12B	5K	20%	2%
Model	Resistance	Resistance tolerance	Linearity tolerance

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