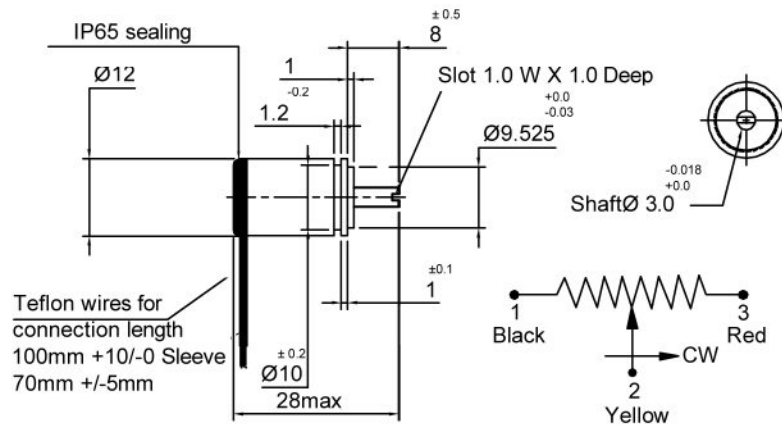


12 mm Industrial Single Turn
Servo Mount, Conductive Plastic

- Metric size
- Electrical angle 300° (mech. 360° continuous)
- Miniature size
- High electrical resolution



Please note: The specification and information in this datasheet cannot consider all special demands that are caused by the application. Because of this, they 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 by its own, that the products used are suitable for his application. Megauto does not warrant the reproducibility of published applications.



all dimensions in mm

ELECTRICAL CHARACTERISTICS

Resistance element	Conductive plastic
Standard resistance values (Ω)	1k, 5k, 10k (up to 100k)
Standard resistance tolerance (%)	(typ. IEC 60393) ± 20
Standard linearity tolerance (%)	(typ. IEC 60393) ± 4
Best independent linearity tolerance (%)	(typ. IEC 60393) ± 2
Resolution	quasi infinite
Maximal wiper current	<1 mA (1µA recommended)
Power rating (+70°C)	0,5 Watt
Electrical Travel	300° ± 5°
TCR	-
Insulation resistance	500 Mohm at 500 VDC
Dielectric strength	500 VAC

MATERIAL

Housing	brass plated
Shaft	stainless steel
Terminals	19/32 Teflon multi strand wire

MECHANICAL CHARACTERISTICS

Mechanical angle	360° continuous
Starting torque (Ncm)	<1
Operating torque (Ncm)	0,5
Rotational life (shaft revolutions)	(typ. IEC 60393) 1.000.000
Bearing type	Sleeve
Protection class	IP65
Operating temperature (°C)	-50°C to +105°C

OPTIONS UPON REQUEST

Special resistance value
Special electrical angles (A)
Special shaft (S)
Special torque

Application: This miniature, conductive plastic, high resolution control out performs the trimmers at reasonable price and can be used because of the miniature size in many industrial applications. This low cost control is an alternative to expensive precision conductive plastic types.

ORDERING INFORMATION

Detailed information: www.megauto.de/rotasense

RS12PC	10k	C	L5%	xxx	S15mm	/
Typ	Ω	continuous (C)	Linearity	Special el. Angle	Special Shaft	Options