

# SINGLETURN POTENTIOMETER

Model HWL 60

41x30x10 mm

5 000 000 Cycles

Conductive plastic



**RESENZO**  
SMARTER SENSING AND CONTROL

## Features :

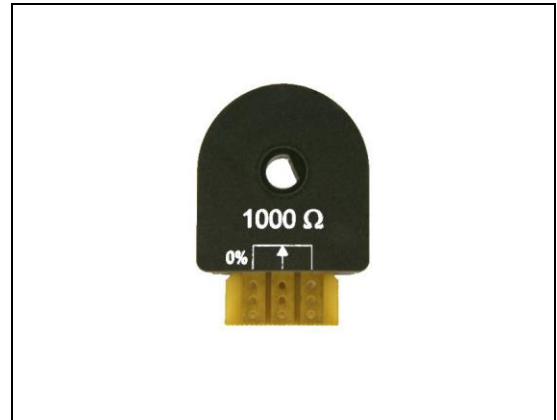
- Excellent rotational life
- Excellent Linearity
- Hollow shaft

## Applications:

- Joy-Sticks
- Valve regulation
- Gas pedal
- Door automation

## Options:

- Tandem potentiometer to 2x160° el. Angle
- Resistance tolerance +/- 10%
- Connections, Connectors, Flat cable, Wires different length,
- Functions, Centre tab, Switch



Electrical Characteristics		Mechanical Characteristics	
Resistance range	1,5,10 kΩ	Rotational life	5'000'000 Cycles
Resistance tolerance	+/- 20%	mech. Angle	Continuous
el. Angle	45° - 340°	Protection rating	IP 50
Inp. Linearity	+/- 1%	Torque	typ. 0.7 cNm
Power rating	0.5 W / T <sub>A</sub>		
rec. Wiper current	< 0.1μA		
max. Wiper current	10 mA (malfunctions)		
max. Wiper resistance.	500 ohm (new)		
Insulation resistance	10 GΩ / 500 VDC		
Dielectric strength	1000 VAC / 1 min.		
Temperature coefficient	600ppm / °C		
TC of voltage divider	30ppm / °C		

Environmental Conditions		Material	
Storage temperature	-40°C ÷ +105°C	Housing	Thermoplast
Operating temperature	-25°C ÷ +85°C	Rotor	Thermoplast
Climatic rating	25/085/56	Connections	FR 4 od. Wires
Shock	50G		
Vibration	10G		

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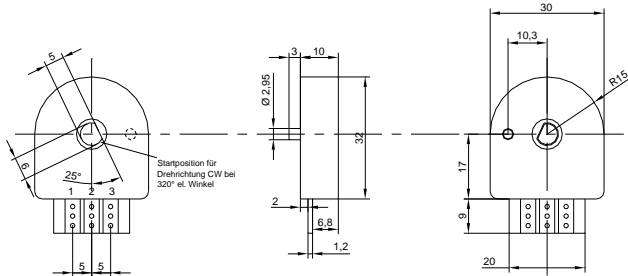
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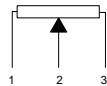
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## Standard model:

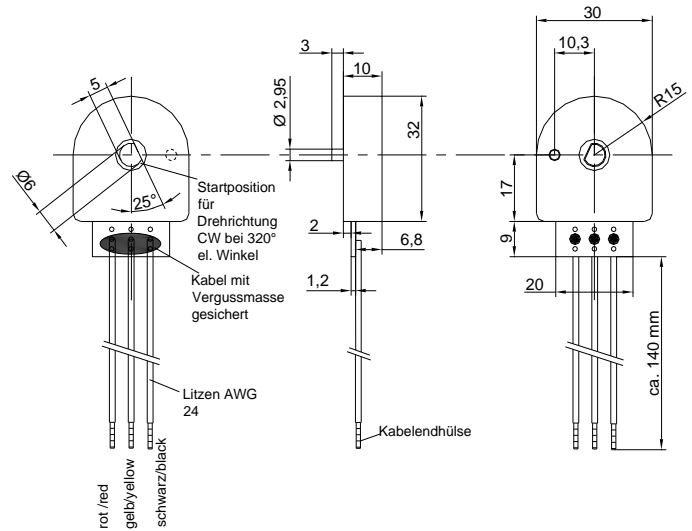
HWL 60 – D6 – PA



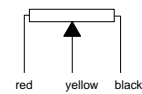
Connecting diagram CW



HWL 60 – D6 - LI



Connecting diagram CW



HWL 60 = Potentiometer Standard

GL=Slider

**H W L 6 0 - D 6 - P A - 2 x 1 0 k - 2 x 3 2 0 - D D B - G L**

L= Conductive plastic

60 = Singlepotentiometer  
62 = Tandempotentiometer

D6 = Shaft 6 mm

Resistance 1, 5, 10 kohm  
or 2x1k, 2x5k, 2x10k  
other on demand

PA= Print axial  
LI= Wires 145mm  
KA= Cable  
FB= Flatcable  
KS= Cable with connector

El. Angle 320°  
and 270° other on  
demand

DDB= Continuous rotation

Specifications are subject to change without notice