

CONDUCTIVE PLASTIC POTENTIOMETER POL 220



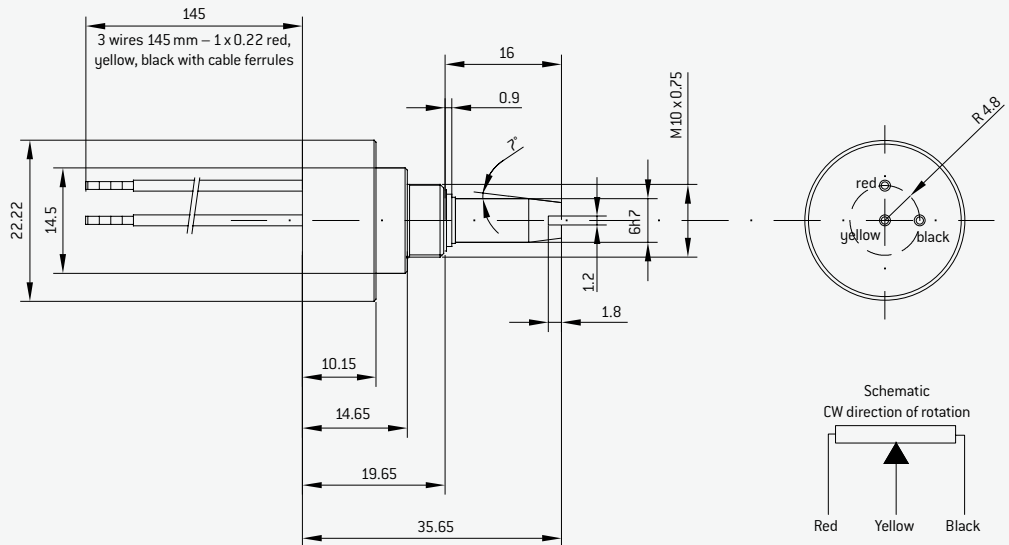
The Metallux single-turn precision potentiometer POL 220 is housed in robust aluminum housing with slide bearing; the cable or wires of the potentiometer are sealed. The potentiometer shaft is available in diameters of 3 – 6.35 mm. Standard is 6h7. The POL 220 convince with a long lifetime and good linearity.

FEATURES

- Long lifetime
- Good linearity

APPLICATIONS

- Valve controls
- Joysticks
- Steering angle measurement
- Servo systems



ELECTRICAL SPECIFICATIONS

Resistance range [Rn]	5 kΩ *
Resistance tolerance	± 20 %
Electrical angle	320° *
Independent linearity	± 2 % *
Resolution	Analogue, almost infinite
Maximum wiper current	5 mA in case of malfunction
Typical supply voltage	3 – 30 VDC
Wiper load	> 100 x Rn
Insulation resistance	10 GΩ at 500 VDC
Dielectric strength	1,000 VAC

Mechanical and electrical characteristics are customizable. Specifications are subject to change without notice. * Others on request.

MECHANICAL SPECIFICATIONS

Lifetime	10 million cycles
Mechanical positioning range	360° continuous rotation
Protection class	IP 65 according to DIN EN 60529
Torque	< 0.3 Ncm
Bearing	Slide bearing

AMBIENT CONDITIONS

Operating temperature	-25° C – +85° C
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MATERIAL

Housing	Anodised aluminium
Axis	Stainless steel
Connectors	Cable strand with end sleeves

SAMPLE ORDER

Part no.	Type series	Resistance range	Elect. measuring range	Elect. connection	Protection class
H060400003	POL 220	5K	320°	3 x wire	IP 63