

CONDUCTIVE PLASTIC POTENTIOMETER POL 220



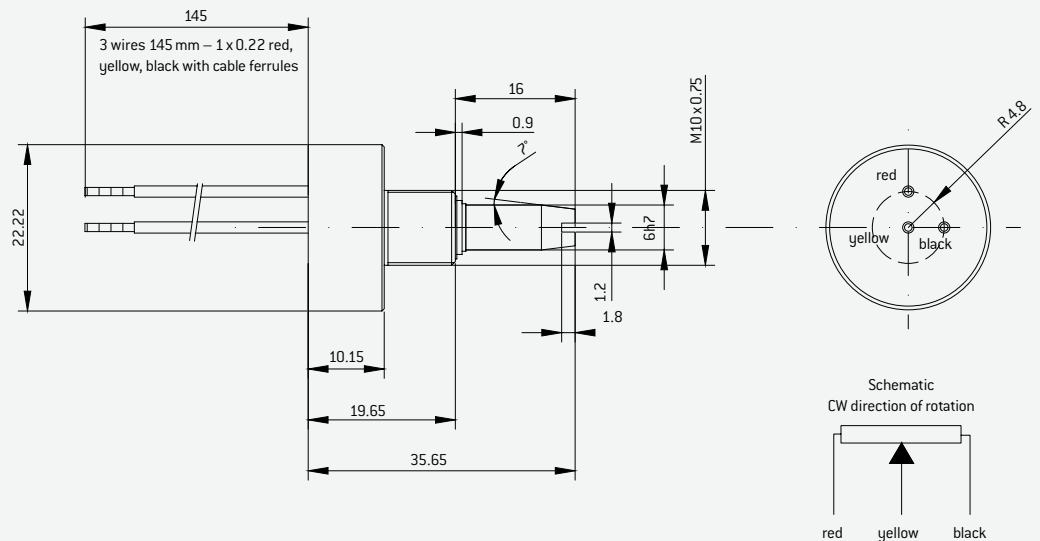
The Metallux single-turn precision potentiometer POL 220 is housed in robust aluminum housing with slide bearings; the cable or wires of the potentiometer are sealed. The potentiometer shaft is available in diameters of 3–6.35 mm. The POL 220 excels with a long lifetime and good linearity.

FEATURES

- Long lifetime
- Good linearity

APPLICATIONS

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



ELECTRICAL SPECIFICATIONS

Resistance range (R _n)	5 kΩ *
Resistance tolerance	± 20%
Electrical angle	320° *
Independent linearity	± 2% *
Resolution	nearly infinite
Maximum wiper current	5 mA in case of malfunction
Wiper load	> 100 x R _n
Insulation resistance	10 GΩ at 500 VDC
Dielectric strength	1000 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 63
Torque	< 0.3 Ncm
Bearings	Slide bearings

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	5 K	320°	3 x wire	IP 63