

GEARED POTENTIOMETER

AGP 100



GENERAL FEATURES

- 10 or 20 turn options
- 14 mm hollow diameter
- Potentiometric output
- High linearity up to $\pm 0.25\%$
- 1 million revolution service life
- IP52 protection
- Compact structure, easy installation

APPLICATIONS

- Paper processing machines,
- Textile machinery,
- Slewing systems and lifting gear of crane and excavator systems
- Actuators in power plants and chemical plants

TECHNICAL FEATURES

General Features

Number of turns	10, 20 turns (optional others)
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Mechanical Features

Shaft Material	303 stainless steel
Housing Material	Delrin
Speed	≤ 300 rpm
Service Life	1×10^6 revolutions

Electrical Features

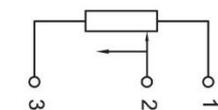
Linearity	$\pm 0.25\%$
Output Type	Potentiometric
Supply Voltage	42V max.
Resistance Values	5K, 10K
Resistance Tolerance	$\pm 20\%$
Power Rating	2W at 40°C
Electrical Connection	3x0,14 mm ² PVC cable

Environmental Features

Ambient Temperature	0°C ... +80°C
Protection Class	IP52

ELECTRICAL CONNECTIONS

SIGNAL	CABLE COLOR
+V	Red (1)
Output signal	Yellow (2)
-V	Black (3)



Potentiometer connection
(voltage divider)

- Wiring must only be carried out with power off.
- Check all lines and connections before switching on the equipment.

