WIRE WINDING SYNCHRO DESIGN

PW613-16

Wire wound precision Potentiometer

- High-resolution resistive element with caterpillar winding
- Short-circuit distances and additional taps available upon request
- Resistance value and active angle can be customized as desired

TECHNICAL DATA

Housing material	aluminum, anodized
Housing diameter	36.5 mm
IP code of housing up to	IP30
Shaft diameter	6 mm
Adjustment speed	max. 360 U/min
Torque	0.05 Ncm
Wiper without limit stops	no
Multiple execution	sixfold
Bearing	sintered bearing
Connection	faston plug / solder-type terminals
Fastening	clamp fixing
Resistance element	caterpillar
Active angle	max. 345°

Resistance values	to 20 kΩ
Resistance tolerance	5%
Linearity tolerance	±0.2 %
Resolution in turns	1851
Capacity	1 W
Temperature range	-30 °C to +80 °C
Temperature coefficient	0.0017 % / °C
Lifetime	typical 10–50 Mio. Cycles**
Vibration*	5–200 Hz, 10 g
Shock*	50 g, 6 ms

*** The lifetime depends on the application and environmental conditions.*

**Depending on customer specifications.*

Article master number **1567Z01**

Typical
APPLICATION AREAS

Ship Rails Automation Logistics Medicine Industry

Optionally available
PROTECTIVE HOUSING

To protect against mechanical damage and extreme environmental conditions, as well as for necessary adaptation gears and additional switches, suitable housings are available in various designs.

For more information on protective housings, click here:www.fsg-sensors.de

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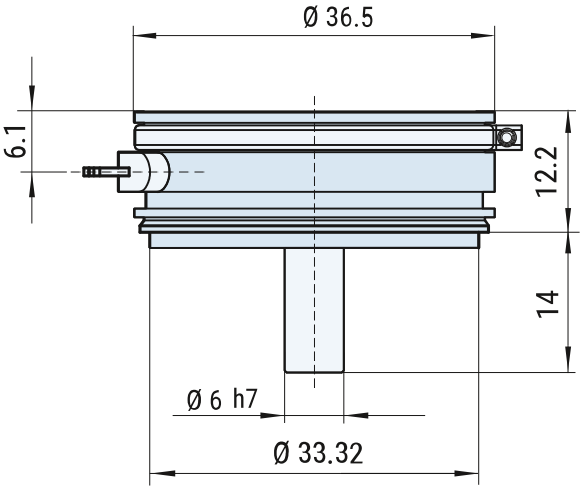
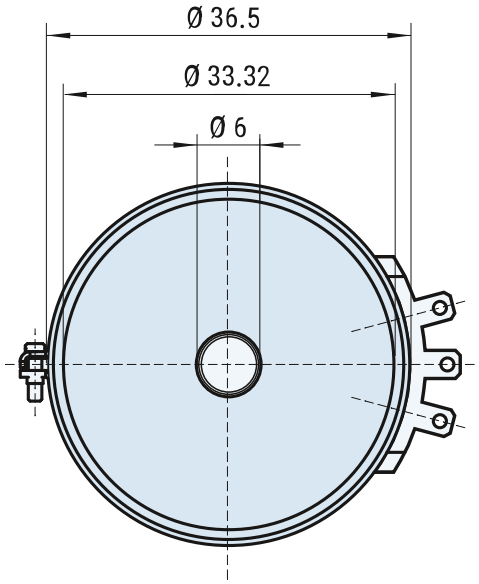
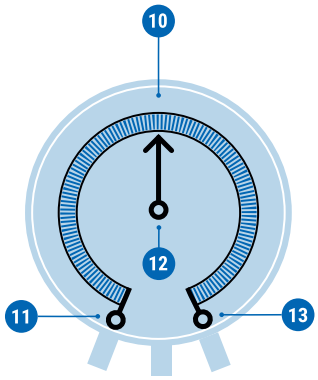
DIMENSIONAL DRAWINGS





CONNECTION



Standard

11 Resistance start
12 Wiper
13 Resistance end

Optional

10 Additional tap

CIRCUIT VARIATIONS

Wire-wound resistive elements with shape on a painted copper wire body in single-turn or multi-turn potentiometers.

1 Wiper limited by stops
2 Wiper continius rotation without limit stops (over 360°) only for short-up without voltage
3 Free arrangement of short-circuit sections
4 Free arrangement of taps

CONTACT

If you have any questions about this or any other FSG product, please do not hesitate to contact us.

BERLIN (HQ)
Fernsteuergeräte Kurt Oelsch GmbH
Jahnstraße 68 + 70
12347 Berlin

info@fsg-sensors.de
www.fsg-sensors.de
+49 30 6291-1
+49 30 6291-277

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