

wire winding synchro design PW620-15d

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	50.8 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	for adjustment purposes only
Multiple execution	sixfold
Bearing	ball-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	3434
Capacity	1 W
Temperature range	-30 °C to +80 °C
Temperature coefficient	0.00 17 % / °C
Lifetime ** The lifetime depends on the applicati	typical 10-50 Mio. Cycles**
Vibration*	5-200 Hz, 10 g
Shock*	50 g, 6 ms

Specific features

2 additional switches, fixed

*Depending on customer specifications.

Article master number

er 1577Z01

Typical APPLICATION AREAS



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



1/2

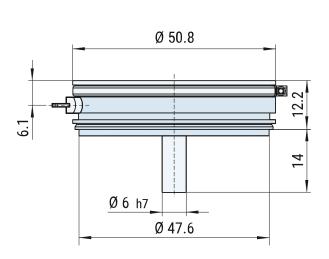


WIRE WINDING

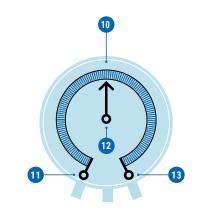
SYNCHRO DESIGN

PW620-15d

DIMENSIONAL DRAWINGS



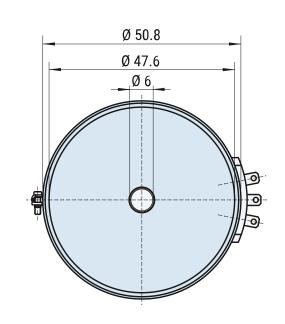
CONNECTION



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

DBL-PW620-15d-1577Z01-24-04-24

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

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