Resistance Elements up to 355°
Series PRS

Special features
- suitable for mounting in small fitting conditions
- easy mounting by bonding (silicone free)
- outstanding linearity
- very long live

Rotary resistance elements paired with an appropriate wiper, but not completed with a housing (open systems) are suitable for installation in closed devices, which allows only small fitting conditions.

The installation is easy: The resistance element is centred via the internal diameter and an axially supporting surface in right situation to the wiper and is fastened by bonding.

In addition, the stated distance between the wiper carrier and the resistance element must be adhered to. Thus ensure the necessary wiper tracking force as well as the operability and durabilit.

As standard sizes are available PRS25 paired with wiper S-94, PRS45 paired with wiper S-98 and PRS65 paired with wiper S-152.

Resistance elements in other designs, measuring range and wire lengths on request.

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**Description**

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Wiper S-94

Installation dimension for optimal wiper tracking force

Resistance element

Point welding

Dimension pressing tool
Pressure force 80 up to 250 N

Installation dimensions are not production dimensions. Subject to change.

- damped wiper
- wiper tracking force of 4 fingers mounted 0,14±0,04 N

Necessary shaft Ø 6 g5: Rz1

Wiper S-98

Dimension pressing tool
Pressure force 200-360 N on shaft Ø 6 g5: Rz1

Installation dimension for optimal wiper tracking force

Resistance element

Installation dimensions are not production dimensions. Subject to change.

- damped wiper
- wiper tracking force of 4 fingers mounted 0,14±0,04 N

Wiper S-152

Dimension pressing tool
Pressure force 200 up to 360 N

Installation dimension for optimal wiper tracking force

Resistance element

Installation dimensions are not production dimensions. Subject to change.

- damped wiper
- wiper tracking force of 4 fingers mounted 0,14±0,04 N

Necessary shaft Ø 6 g5: Rz1
Important

All values specified in this data sheet for linearity, lifetime and temperature coefficient are only valid for a sensor used as a voltage divider with virtually no load applied to the wiper ($I_0 \leq 1 \mu A$).