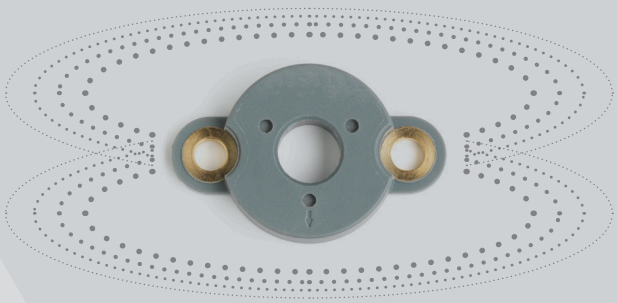


HISA – Rotation Angle Sensors

Extremely robust angle sensors for industrial applications

INDUSTRIAL
COMPONENTS

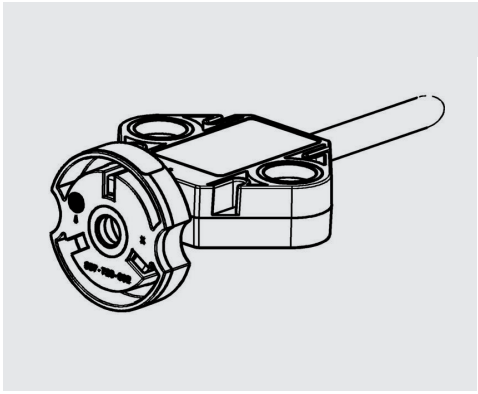
HISA – Rotation Angle Sensors

The areas of use for rotation sensors are becoming increasingly diverse and range from automation technology to energy supply, right through to the aerospace industry. The best measurement results are achieved in combination with the specially developed Hirschmann Industrial Components magnet. Its magnetic field is recorded by the sensor and outputted in a
linear voltage signal according to its rotation.

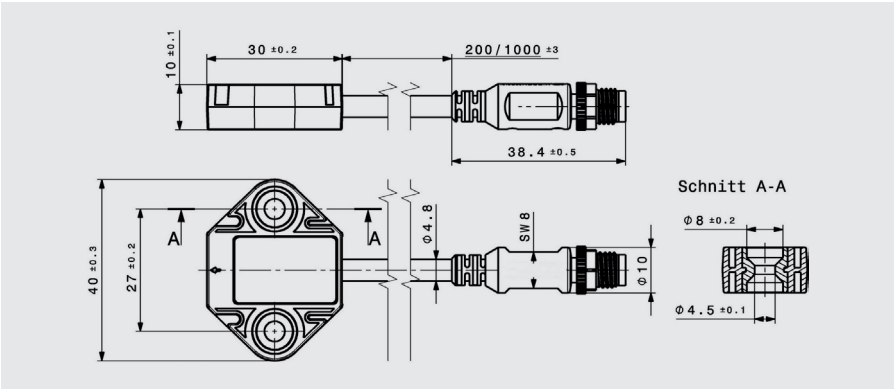
Properties:
- Contact-less and wear-free sensors for angle detection from 0° to 360°
- Variants with different detection sides available which offers a wide range of installation possibilities
- Miniaturised, sealed as well as extremely robust design for the harshest environments
- Brass screw-on bushings on magnet and sensor – for durable bolted connections
- Sheathed cable for critical assembly areas
- Variants for voltage ranges from 5 V to 36 V are available
- High tolerances against alignment errors
- EMC / ESD protected
- Measurement is possible through non-magnetic walls
- Customised designs upon request (e.g. connector, magnets, programming etc.)
- Can also be used as a rotationdirection sensor

Technical data:

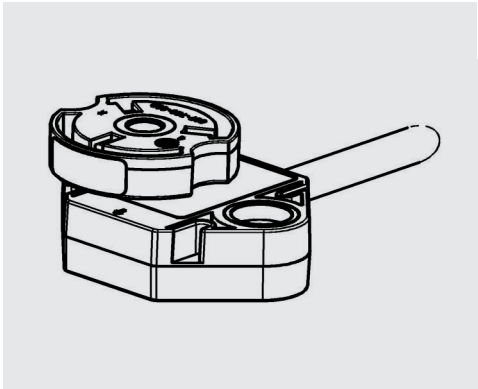
Connection interface	M8x1 connector or open cable end
Maximum air gap	5.2 mm
Maximum offset magnet to sensor	2 mm
Protection class	IP6K9K
Operating temperature	-40 °C to 125 °C
Available measuring ranges	90°, 180°, 270°, 360°
Cable lengths	200 mm or 1000 mm
Supply voltage	4.5 V to 5.5 V or 9 V to 36 V



Installation position face side



Dimensions



Installation position length side

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