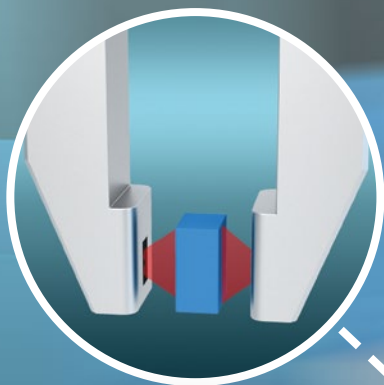
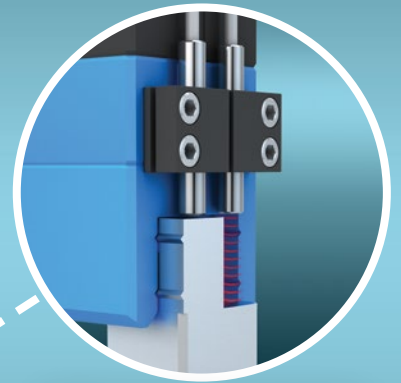


ROBOT GRIPPERS

MINIATURE SENSORS – CUSTOMIZABLE AND READY TO INTEGRATE



POSITION AND
DISTANCE CONTROL



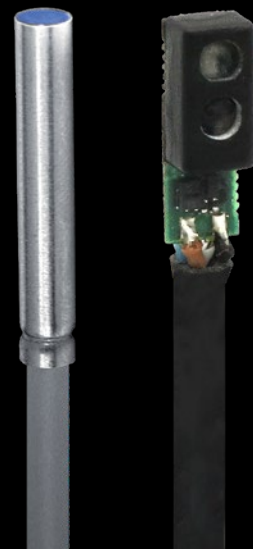
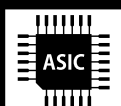
OPEN/CLOSED POSITION
CONFIRMATION



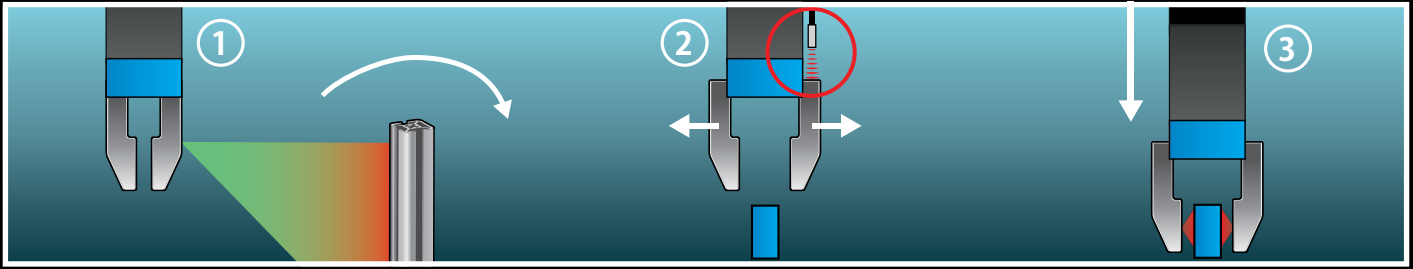
ALL-ROUND COLLISION
PREVENTION

EMBEDDABLE SENSORS FROM Ø3 MM

- ✓ Built-in collision-proofing for gripper systems
- ✓ Designed for customizing, IIoT-compatible
- ✓ Smallest, lightest sensors with IO-Link
- ✓ Precise, reliable and cost-effective



ROBOTICS INDUSTRY



MINIDIST PHOTOELECTRIC SENSORS

For applications requiring precise distance measurement, the MiniDist diffuse-type sensor perfectly combines performance and adaptability. With a minimal housing (4 x 4 x 12 mm) and open electronics, it weighs just 3.1 g and is ideal for customized integration.

① COLLISION PREVENTION


The analog output can be configured to indicate increasing proximity to a hazard and generate a stop signal. This gives added protection against collisions during machine setup and operation.

③ POSITION AND DISTANCE CONTROL

A distance-measurement signal ensures precise object approach and gripper control.

KEY ADVANTAGES

- ✓ Distance measurement of metallic and non-metallic objects
- ✓ Advanced optical and ASIC technology
- ✓ Focused, visible red light source with light-spot diameter 6.5 mm at distance of 40 mm
- ✓ Analog output 0.1... 2.6 VDC, power supply 10-30 V

	IO-Link	PART REFERENCE	ART. NO.	POLARITY	CONNECTION	OUTPUT (A1)	OUTPUT (A2)
		DTR-N01PA-NMK-139	620-600-448	PNP	PVC, 2 m, 4-wire	PNP, light-on/IO-Link	0.1... 2.6 V

MINIATURE INDUCTIVE SENSORS


Ideal for presence or position sensing in limited spaces, Contrinex Miniature inductive sensors offer high performance in an embeddable housing just 3 mm wide, 12 mm long and weighing ≤ 25 g.

② OPEN/CLOSED POSITION CONFIRMATION

An operating distance of 1 mm ensures reliable sensing of moving gripper fingers.

KEY ADVANTAGES

- ✓ Smallest available inductive sensors
- ✓ Outstanding temperature stability from -25°C (-13°F) to +70°C (+158°F)
- ✓ Switching frequency up to 8,000 Hz
- ✓ Electronics vacuum potted for optimum long-term reliability under high stress

	IO-Link	PART REFERENCE	ART. NO.	POLARITY	CONNECTION	OUTPUT (A1)
		DW-AD-623-03	320-920-170	PNP	PUR, 2 m, 3-wire	N.O./IO-Link

See our website for more sensing, safety, and identification solutions for the robotics industry.



Terms of delivery and right to change design reserved.

HEADQUARTERS

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