

Product



No. 1 Position

The first standardized gripper with optical distance and presence sensor

Product Features

Unique Selling Points:

- ✓ The first standardized gripper with optical distance and presence sensor

Further product features:

- ✓ Optical fiber
- ✓ OAS optical distance and presence sensor for standard grippers type MPG-plus and PGN-plus by simply mounting an attachment set
- ✓ Effective optics with a long range
- ✓ Integration into the gripper construction
- ✓ Available as of October 2011
- ✓ Price: appr. 250,- €

Market and Competitors

Key Competitors

- ✓ Manufacturers of optical recognition systems
- ✓ Manufacturers of light barriers

Advantages towards competitors:

- ✓ Directly integrated into the gripper as a standard solution
- ✓ Recognition and evaluation "on the fly" without loss of time
- ✓ Advantage towards gripper competition due to the new accessory/new option OAS

Outlook/Customer-specific solutions:

- ✓ The OAS can be used for analog position monitoring of large stroke grippers, too, by integrating the sensors into a base jaw (can e.g. control the distance to the gripper center and/or control other base jaws)
- ✓ Mounting into a cover, and the sensor can "look at the piston". Thus the gripper and the swivel units can be monitored

Cost Effectiveness/ Customer Benefits

Customer Benefits:

- ✓ Contact-free workpiece recognition available yes/no and also workpiece differentiation
- ✓ Workpiece differentiation in gripper's Z-direction.
- ✓ Control of gripping process reliability (component tilts or others)
- ✓ Intelligence for the robot or the Z-axis for approaching the workpiece, "stack gripping", e.g. recognition of the stacking height
- ✓ Recognition of components in a process, e.g. gripper located over a conveyor belt ("on the fly")
- ✓ Recognition of the workpiece position – for being sure that it is safely gripped!

Questions about the product? Your contact person is M. Nagel (+49 - 7133 - 103 - 2561)

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Technical Data/ Functions

Technical Data:

- ✓ Illuminant: infrared 850 nm
- ✓ Range of temperature: - 10°C to + 55°C
- ✓ Protection class IP65
- ✓ Type of connection PUR-cable with plug connector
- ✓ Housing material: aluminum natural anodized

Complementary Product:

- ✓ The optical distance and presence sensor OAS is used as a complementary product for the standard grippers MPG-plus and PGN-plus and can be also added to other products.

Industries and Application

OAS particularly convinces in the following industries:

- ✓ Assembly and handling technology
- ✓ Electronics industry

Applications:

- ✓ Recognition of cam shafts with different lengths
- ✓ Presence control/workpiece recognition during the handling of aluminum die cast components

Additional information



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