



Smart electrical gripper SGE-40-P-IOL

The new benchmark for intelligent gripping.

Control via IO-Link allows pre-positioning of the gripper fingers, evaluation of the gripper status and the setting of special gripping modes.

Highlights worth knowing




- › Four-stage adjustable gripping force via IO-Link for easy adjustment to sensitive workpieces
- › 8 different workpieces can be gripped
- › Two adjustable gripping modes: FastGrip and SoftGrip
- › Precision gripping with constant force over the entire permissible finger length
- › Very high maximum cycles per minute for highest productivity
- › Compact dimensions and optimal fixing grid for minimized interfering contours in the application, suitable for the Afag construction kit
- › Food-compliant lubrication. Ideal for applications in the MedTech, laboratory automation, pharmaceutical and food industries



Technical specification

SGE-40-P-IOL	
Fixing grid	30 mm
Attachment thread	M4 mm
Ambient temperature	5-55 °C
Storage temperature	5-55 °C
Humidity	< 90 %

Type	SGE-40-P-IOL
Order number	50578183
Jaw stroke	2 x 6 mm
Dead weight	0.34 kg
Recommended workpiece weight	0.7 kg
Max. gripping force 100 %	140 N
Min. gripping force 25 %	35 N
Max. permissible finger length	50 mm
Max. permissible mass per finger	0.08 kg
Closing/opening times	0.2/0.2 s
Repeat accuracy	± 0.02 mm
Repeat accuracy (unidirectional positioning)	*± 0.1 mm
Repeat accuracy (bidirectional positioning)	**± 0.2 mm
Noise level	< 70 dB (A)
Operating voltage	24 V
Rated current	0.2 A
Maximum current	2 A
Protection type	Mechanical: IP30/Electrical: IP40
Port	Class B
Transmission rate	COM2
Communications interface	IO-Link
Controller electronics	Integrated
Mounting position	

Clean room class: ISO 14644-1 Class 6

* Repeat accuracy (unidirectional positioning): Defined as the scatter of the actual position of the base jaws in 100 consecutive movements to a target position from the same direction under constant conditions

** Repeat accuracy (bidirectional positioning): Defined as the scatter of the actual position of the base jaws in 100 consecutive movements to a target position from both directions under constant conditions

Delivery includes

(HT accessories catalog)

- › 2x centering sleeve SGE-40-P-IOL
- › 2x centering sleeve Ø7x3
- › 2x special screw M4x33.5/10

Accessories

(HT accessories catalog)

- › Sensor actuator cable S4

Warranty: 24 months following commissioning, but a maximum of 27 months following delivery.