



Electrical gripper GE-25-P

Small, light, super fast and 100% compatible
with the Afag construction kit!

Electrical 2-finger parallel gripper with smooth-running,
roller-guided base jaw guide.

Fields of application

Gripping and moving of small and medium-sized workpieces using flexible force and a high speed in a low-pollution environment in the following sectors: General assembly automation, automotive, watch industry, electronics, health care, cosmetics, packaging.


Highlights

- › Fast and powerful with a compact design for minimized interfering contours
- › Control via digital I/O for simpler commissioning and quick integration in existing systems
- › Two-stage gripping force for a simple adaptation to sensitive workpieces
- › Play-free, pre-clamped crossed roller slides for precise and practically force-constant gripping across the entire permissible finger length
- › Very high number of cycles per minute for top productivity (closing/opening times 0.09/0.09 sec.)



Technical data

GE-25-P	
Fixing grid	20 mm
Attachment thread	M3
Min./max. ambient temperature	5 - 55 °C
Storage temperature	5 - 55 °C
Humidity	< 90 %

Type	GE-25-P
Order number	50538537
Jaw stroke	2 x 3 mm
Dead weight	0.11 kg
Recommended workpiece weight	0.2 kg
Min./max. gripping force 100%	40 N
Min./max. gripping force 50%	20 N
Max. permissible finger length	32 mm
Max. permissible mass per finger	0.02 kg
Closing/opening times	0.09/0.09 sec.
Noise level	< 70 dB(A)
IP protection class (mechanical)	30
IP protection class (electrical)	40
Repeat accuracy	+/- 0.02 mm
Supply voltage (min./max.)	21.6 / 26.4 VDC
Rated current	0.14 A
Min. supply current mains adapter*	1.0 A
Max. current consumption**	1 A
Current consumption when blocked***	0.07 / 0.14 A
Controller electronics	integrated
Communications interface	Digital inputs
Number of digital I/Os	2/-
Mounting position	

* minimal supply current for the reliable operation of the product.

** maximum current consumption in the acceleration phase (max. t = 50 ms).

*** Current consumption when blocked (in gripper end position or when gripping a workpiece) in case of the commands „Open gripper“ or „Close gripper.“

Clean room class ISO 14644-1, Class ISO 7