

NEEDLE GRIPPER

SERIES GEN9100

▶ PRODUCT ADVANTAGES



▶ Plug and play

Reduce programming and assembly costs to a minimum with the integrated control system and the 2 position query

▶ Saving energy with pulse control

You only have to supply current briefly when retracting and extending the needle; no energy is required when transporting the workpiece

▶ Smooth stroke configuration

The needle stroke is displayed via a scale. You can smoothly adjust the needle stroke to fit your application

▶ SERIES CHARACTERISTICS

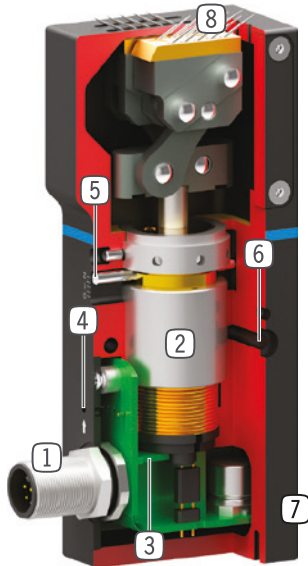
Installation size

GEN9102

 Digital I/O	●
 5 million maintenance-free cycles (max.)	●
 Integrated sensing	●
 IP50	●



► BENEFITS IN DETAIL



- ① **Energy supply**
 - standardized interface M12 round connector
- ② **Drive**
 - via Pot magnet and coil bobbin according to the coil system principle
 - energy consumption only at impulse <25 ms
- ③ **Position sensing**
 - integrated Hallsensor
 - 2 positions monitorable
- ④ **Status control**
 - optical LED position display
 - Needles retracted, needles extended
- ⑤ **Stroke adjustment**
 - infinitely variable
 - Can be read off the scale
- ⑥ **Mounting and positioning**
 - mounting possible from several sides for versatile positioning
- ⑦ **Robust, lightweight housing**
 - Hard-coated aluminum alloy
- ⑧ **Extending needles**
 - gripping by penetration

► TECHNICAL DATA

	Needle stroke adjustable	Pulse time	Weight	IP class
Installation size	[mm]	[ms]	[kg]	
GEN9102	0 - 2	20 - 25	0.33	IP50

► FURTHER INFORMATION IS AVAILABLE ONLINE



All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

NEEDLE GRIPPER

INSTALLATION SIZE GEN9102

▶ PRODUCT SPECIFICATIONS



▶ RECOMMENDED ACCESSORIES



CONNECTIONS / OTHER



KAG1000B8
Plug-in Connector Straight Cable 10 m - Female
M12



CONNECTIONS / OTHER



KAW1000B8
Plug-in Connector Angled Cable 10 m - Female
M12



Order no.	Technical data
	GEN9102
Needle stroke adjustable min. [mm]	0
Needle stroke adjustable max. [mm]	2
Permanent operation cycle count max. [cycle/min]	120
Cycle count max. [cycle/min]	150
Operating time [ms]	<28
Pulse time in retract [ms]	20
Pulse time in extend [ms]	25
Debounce time [ms]	10
Noise level [db(A)]	<70
Repetition accuracy +/- [mm]	0.1
Current consumption in a stand-by mode [A]	0.02
Current consumption per pulse max. [A]	5
Operating temperature min. [°C]	10
Operating temperature max. [°C]	+50
Protection to IEC 60529	IP50
Weight [kg]	0.33

