HNP Mikrosysteme

High performance series

Terminal box S-G05

Complementary equipment

- For connection of micro annular gear pumps mzr-2505/2905/4605/7205, mzr-7245, mzr-6355/7255, mzr-2965/4665
- Compact plastic case
- Easy handling potentiometer, standard connectors
- Standard interface 0 – 10 V, 0(4) – 20 mA
- Serial interface RS-232
- Two-colored LED status indicator
- 24 V power supply over plug connector or DIN socket
- Integrated EMC module

The terminal box S-G05 is easy to handle and at the same time versatile applicable accessory for micro annular gear pumps. The terminal box allows control of the pump with a potentiometer. As an alternative the pump can be remotely controlled with an external analog voltage signal 0 – 10 V, an external current signal (0 – 20 mA or 4 – 20 mA) or with a RS-232 interface. To set all operating parameters including calibration, ramp, step, speed, dispense/pause times and flow direction an adapted software with a serial interface RS-232 is delivered. The CE-conform installation includes an EMC module. The terminal box and micro annular gear pump can be provided optionally with an external 24 V DC power supply.

Technical data

Supply voltage	24 V DC (12 - 28 V)
Voltage connector	plug terminal, 8-pole and DIN 45323 socket
Pump connector	plug connector, 8-pole
Serial interface	RS-232, SUB-D plug, 9-pole
Speed value-input »Analog Extern« optionally adjustable with DIP-switches	internal potentiometer 10 kΩ voltage signal 0 – 10 V current signal 0 – 20 mA or 4 – 20 mA
Status LED	Ready: green Fault: red
Output »Fault Out«	open collector max. U_B / 20 mA no error: high-level
Protective class	IP 20
Operating temperature range	0 … +50 °C (+32 … +122 °F)
Dimensions (L x W x H)	approx. 100 x 92 x 35 mm
Weight	approx. 125 g

Subject to technical changes.

12/14

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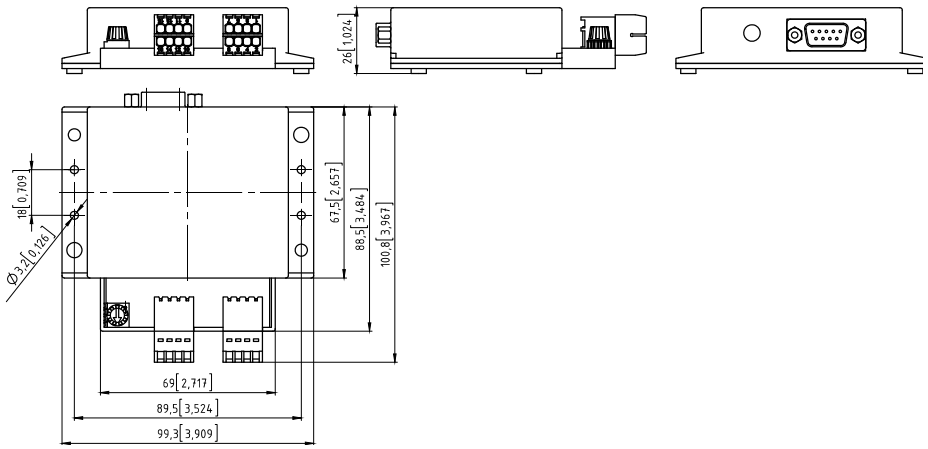
Dimensions



Subject to technical changes.

Item number

68 03 01 09	Terminal box S-G05 for micro annular gear pumps mzr-2505/2905/4605/7205, mzr-7245, mzr-6355/7255, mzr-2965/4665
68 01 03 00	external 24 V power supply, power 70 W, input voltage 100–240 V AC 50/60 Hz with connector for Terminal box S-G05

Micro annular gear pumps (and housings) are protected by assigned patents: DE 198 43 161 C2, EP 1115979 B1, US 6,520,757 B1, EP 852674 B1, US 6,179,596 B1, EP 1354135, US 7,698,818 B2. Patents pending: EP 1807546, DE 10 2009 020 942.5-24, DE 10 2011 001 041.6. In the US, Europe and China additional patents are pending. mzr®, MoDoS®, µ-Clamp® are registered German trademarks of HNP Mikrosysteme GmbH.

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