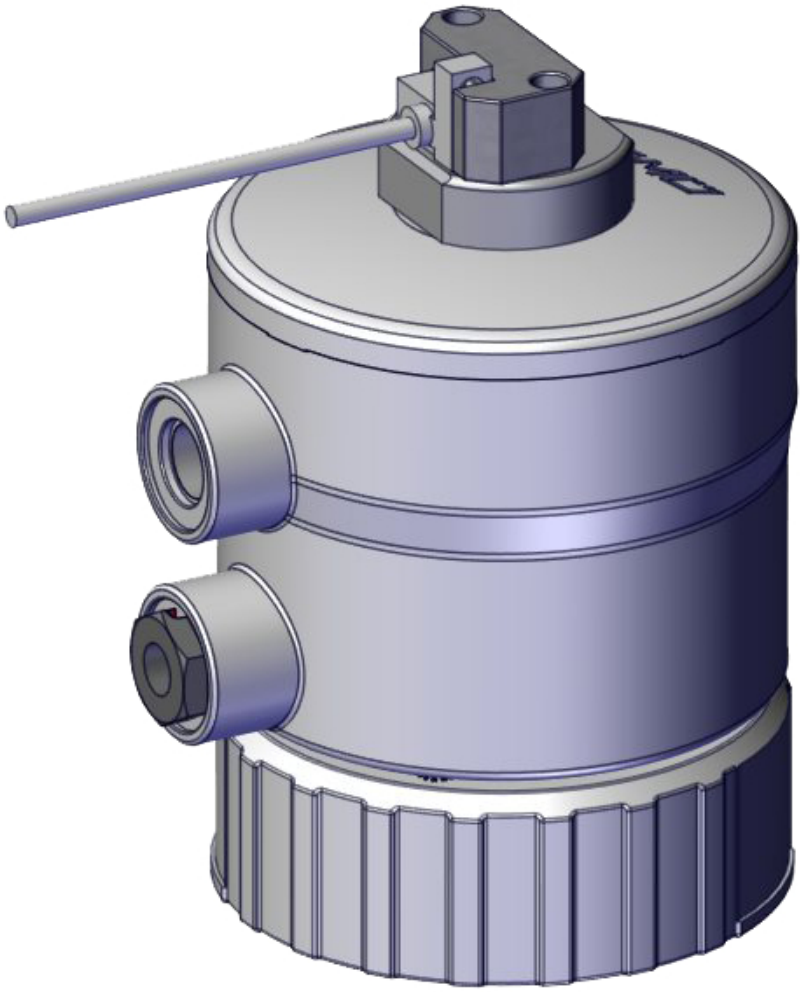
GEMÜ C12A

Electrical position indicator

EN **Assembly instructions**

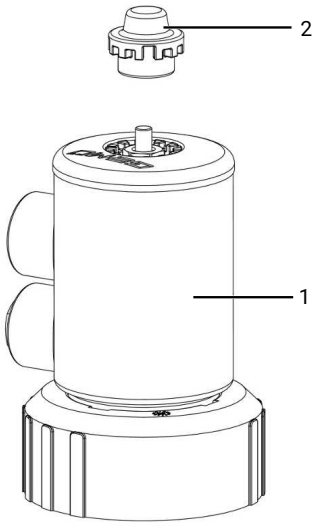


further information
webcode: GW-C12A

1 Assembly and installation

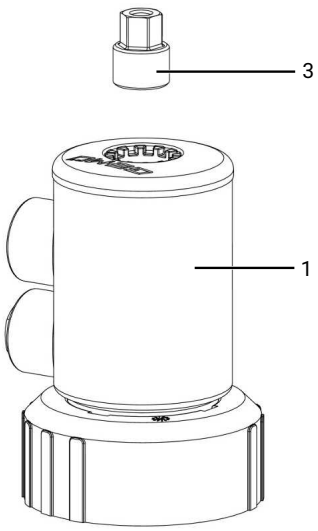
1.1 Actuator size 1

1



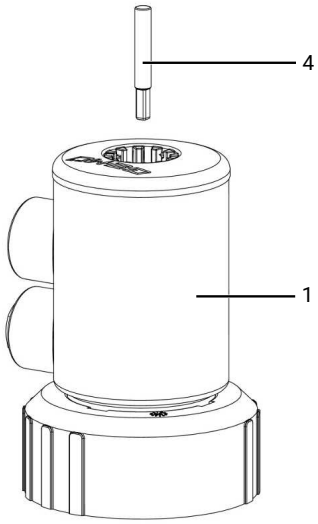
- Remove the transparent cap **2** from the actuator **1**.

2



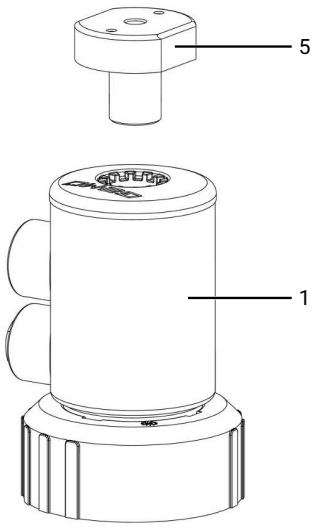
- Remove the stroke limiter **3** from the actuator **1**.

3



1. Remove the red indicator spindle **4** from the actuator **1**.
2. Move the actuator **1** to the **CLOSED** position.

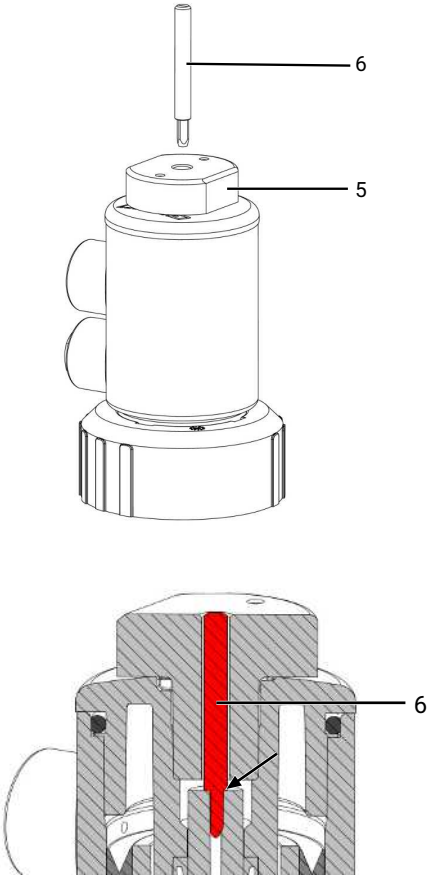
4



- Screw the adapter **5** into the actuator **1**.

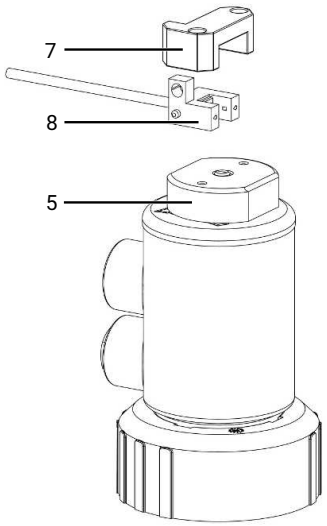
  Note: Use an appropriate tool for tightening.
  Torque:1–3 Nm.
  Align spanner flat such that it is parallel to the control air connectors.

5



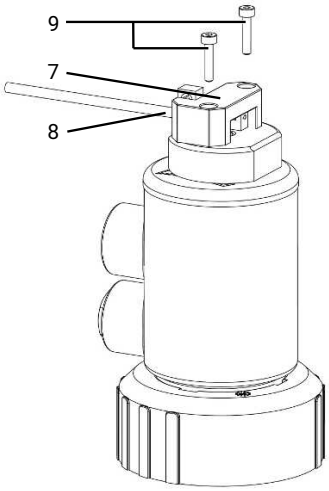
- Knock the new indicator spindle **6** down through the adapter **5** as far as it will go (see arrow) into the actuator piston.

6



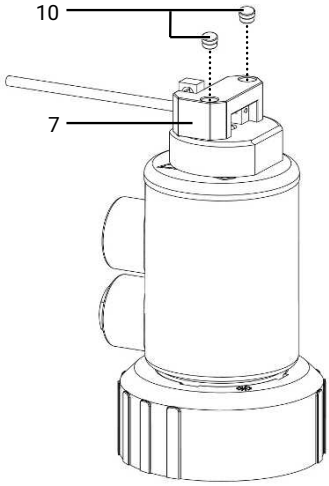
- Place the sensor **8** and the fixing piece **7** on the adapter **5**.

7



- Tighten the sensor **8** and fixing piece **7** with bolts **9** (0.2 Nm).

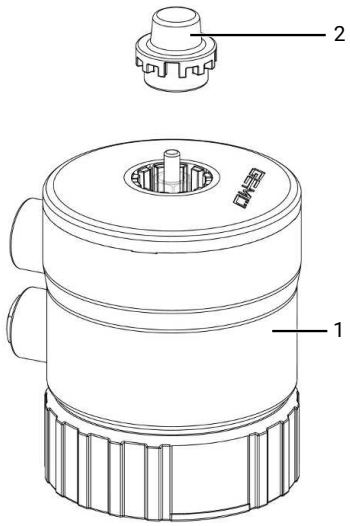
8



1. Fit protective caps **10** into fixing piece **7**.
2. Connect the electrical position indicator in accordance with the connection diagram. (see “Electrical connection“, page 12)

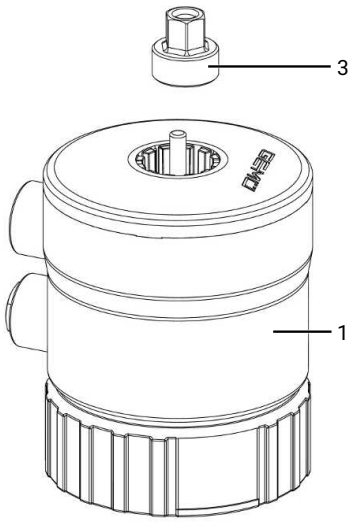
1.2 Actuator size 2

1



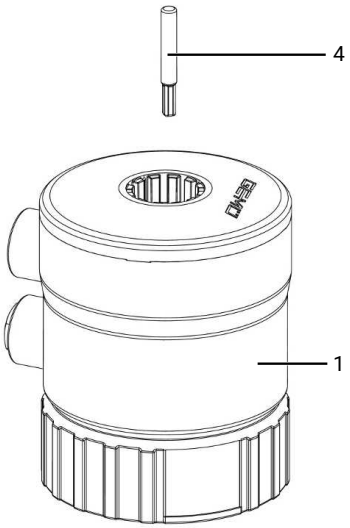
- Remove the transparent cap **2** from the actuator **1**.

2



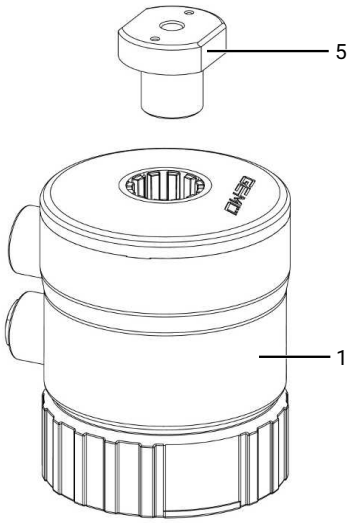
- Remove the stroke limiter **3** from the actuator **1**.

3



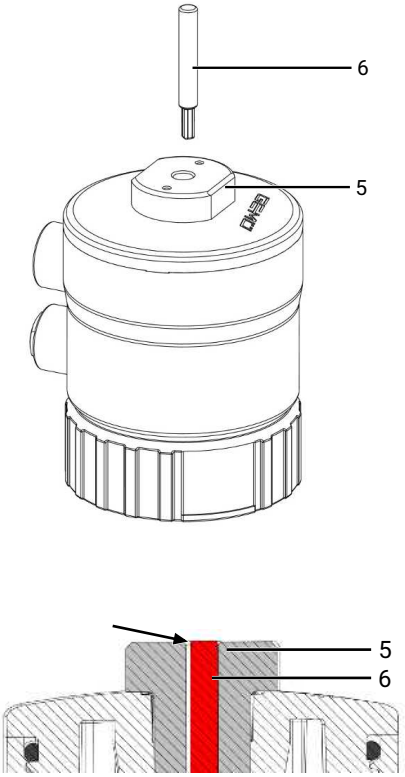
1. Remove the red indicator spindle **4** from the actuator **1**.
2. Move the actuator **1** to the **CLOSED** position.

4



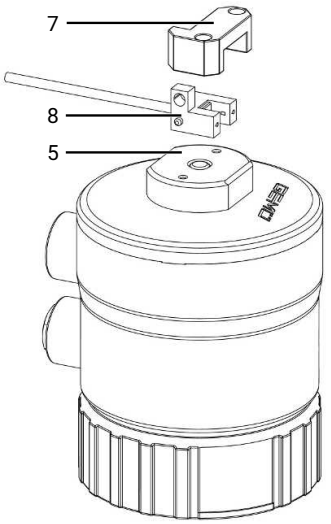
- Screw the adapter **5** into the actuator **1**.
  Note: Use an appropriate tool for tightening.
  Torque:1–3 Nm.
  Align spanner flat such that it is parallel to the control air connectors.

5



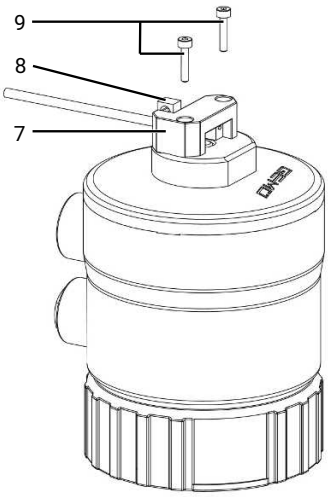
- Knock the new indicator spindle **6** down into the adapter **5** so that it is flush.

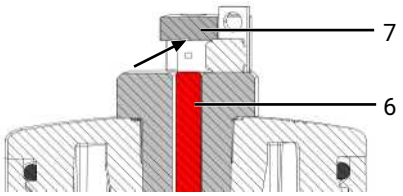
6



- Place the sensor **8** and the fixing piece **7** on the adapter **5**.

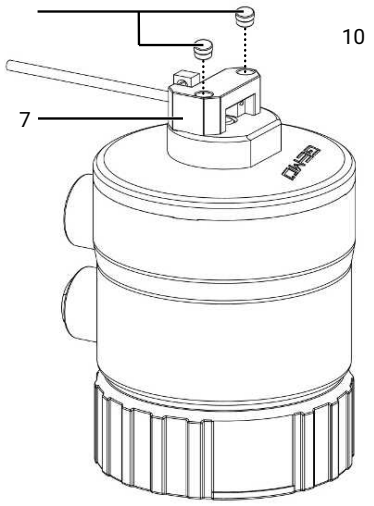
7





1. Tighten the sensor **8** and fixing piece **7** with bolts **9** (0.2 Nm).
2. Move the actuator into the **OPEN** position.
3. Indicator spindle **6** is pressed against the stop on the fixing piece **7** and adjusts itself.

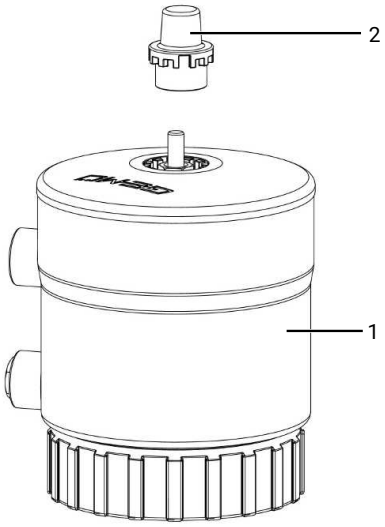
8



1. Fit protective caps **10** into fixing piece **7**.
2. Make the electrical connection (see “Electrical connection“, page 12).

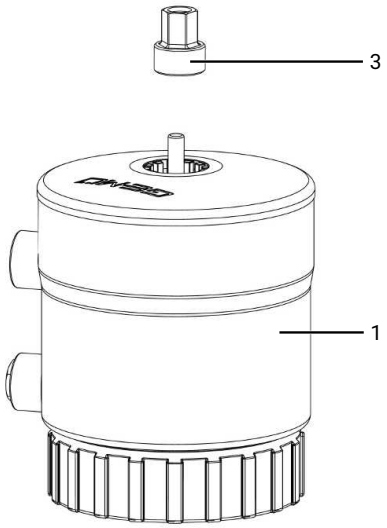
1.3 Actuator size 3

1



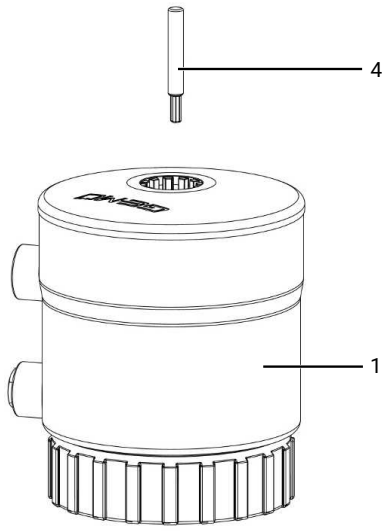
- Remove the transparent cap **2** from the actuator **1**.

2



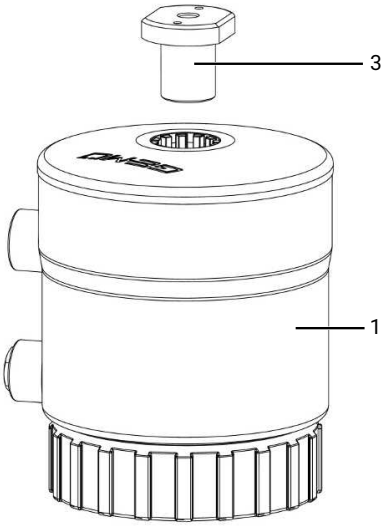
- Remove the stroke limiter **3** from the actuator **1**.

3



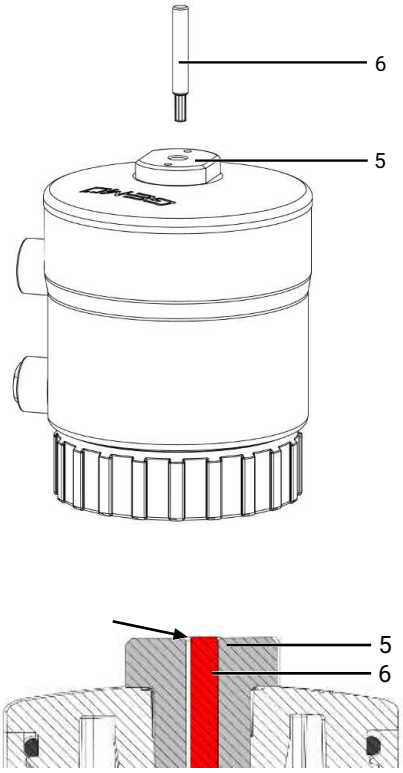
1. Remove the red indicator spindle **4** from the actuator **1**.
2. Move the actuator **1** to the **CLOSED** position.

4



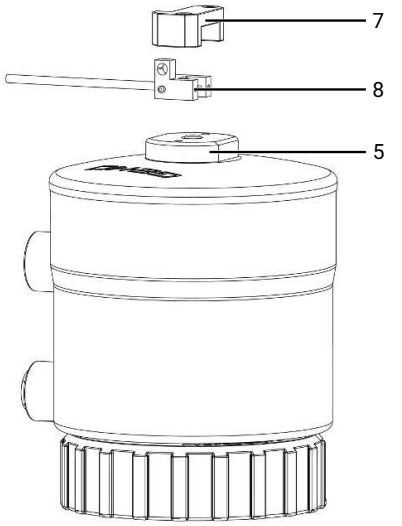
- Screw the adapter **5** into the actuator **1**.
  Note: Use an appropriate tool for tightening.
  Torque:1–3 Nm.
  Align spanner flat such that it is parallel to the control air connectors.

5



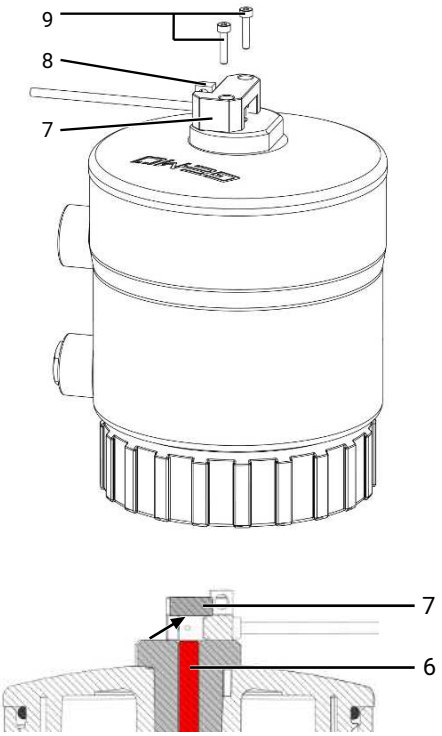
- Knock the new indicator spindle **6** down into the adapter **5** so that it is flush.

6



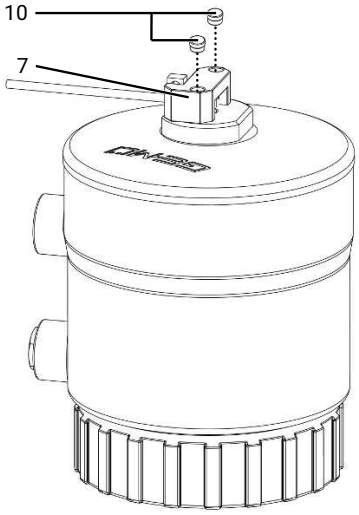
- Place the sensor **8** and the fixing piece **7** on the adapter **5**.

7



1. Tighten the sensor **8** and fixing piece **7** with bolts **9** (0.2 Nm).
2. Move the actuator into the **OPEN** position.
3. Indicator spindle **6** is pressed against the stop on the fixing piece **7** and adjusts itself.

8



1. Fit protective caps **10** into fixing piece **7**.
2. Make the electrical connection (see “Electrical connection“, page 12).

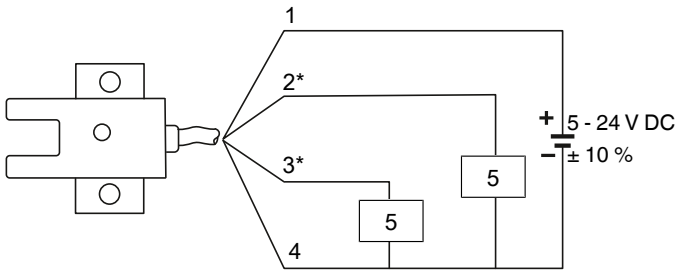
2 Electrical connection

⚠ CAUTION

Risk of crushing!

► Risk of crushing from reaching into the light barrier.

2.1 PNP



Number	Colour
1	Brown
2	Black*
3	White*
4	Blue
5	Load

*Please isolate any unused cables

	Colour	Output
Output 1	Black	Light ON
Output 2	White	Dark ON

NPN version on request

GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG
Fritz-Müller-Straße 6-8, 74653 Ingelfingen-Criesbach, Germany
Tel. +49 (0)7940 123-0 · info@gemue.de
www.gemu-group.com

Subject to alteration

10.2023 | 88874107