

GEMÜ 1241

Electrical position indicator

EN

Operating instructions



further information
webcode: GW-1241



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1 General information

1.1 Information

- The descriptions and instructions apply to the standard versions. For special versions not described in this document the basic information contained herein applies in combination with any additional special documentation.
- Correct installation, operation, maintenance and repair work ensure faultless operation of the product.
- Should there be any doubts or misunderstandings, the German version is the authoritative document.
- Contact us at the address on the last page for staff training information.

1.2 Symbols used

The following symbols are used in this document:

Symbol	Meaning
●	Tasks to be performed
▶	Response(s) to tasks
–	Lists

1.3 Warning notes

Wherever possible, warning notes are organized according to the following scheme:

SIGNAL WORD	
Possible symbol for the specific danger	Type and source of the danger ▶ Possible consequences in case of non-compliance ● Measures for avoiding danger

Warning notes are always labelled with a signal word and sometimes also with a symbol for the specific danger.

The following signal words and danger levels are used:

⚠ DANGER	
	Imminent danger! ▶ Non-observance can cause death or severe injury
⚠ WARNING	
	Potentially dangerous situation! ▶ Non-observance can cause death or severe injury
⚠ CAUTION	
	Potentially dangerous situation! ▶ Non-observance can cause moderate to light injury

NOTICE	
	Potentially dangerous situation! ▶ Non-observance can cause damage to property

The following symbols for the specific dangers can be used within a warning note:

Symbol	Meaning
	Danger of explosion!
	Electric shock by high voltage

2 Safety information

The safety information in this document refers only to an individual product. Potentially dangerous conditions can arise in combination with other plant components, which need to be considered on the basis of a risk analysis. The operator is responsible for the production of the risk analysis and for compliance with the resulting precautionary measures and regional safety regulations.

The document contains fundamental safety information that must be observed during commissioning, operation and maintenance. Non-compliance with these instructions may cause:

- Personal hazard due to electrical, mechanical and chemical effects
- Hazard to nearby equipment
- Failure of important functions
- Hazard to the environment due to the leakage of dangerous materials

The safety information does not take into account:

- Unexpected incidents and events, which may occur during installation, operation and maintenance
- Local safety regulations which must be adhered to by the operator and by any additional installation personnel

Prior to commissioning:

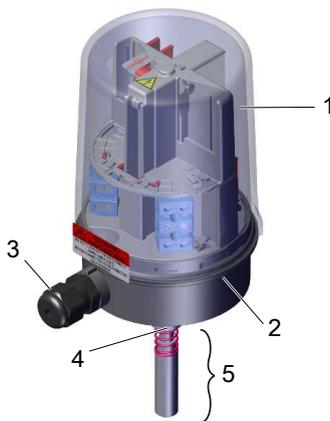
1. Transport and store the product correctly.
2. Do not paint the bolts and plastic parts of the product.
3. Carry out installation and commissioning using trained personnel.
4. Provide adequate training for installation and operating personnel.
5. Ensure that the contents of the document have been fully understood by the responsible personnel.
6. Define the areas of responsibility.
7. Observe the safety data sheets.
8. Observe the safety regulations for the media used.

During operation:

9. Keep this document available at the place of use.
10. Observe the safety information.
11. Operate the product in accordance with this document.
12. Operate the product in accordance with the specifications.
13. Maintain the product correctly.
14. Do not carry out any maintenance work and repairs not described in this document without consulting the manufacturer first.

In cases of uncertainty:

15. Consult the nearest GEMÜ sales office.

3 Product description**3.1 Construction**

Item	Name	Materials
1	Housing cover	PC
2	Housing base	PPS
3	Electrical connection	SS, PP
4	Adapter piece	SS
5	Mounting kit, valve-specific	SS, PP
	Seals	EPDM

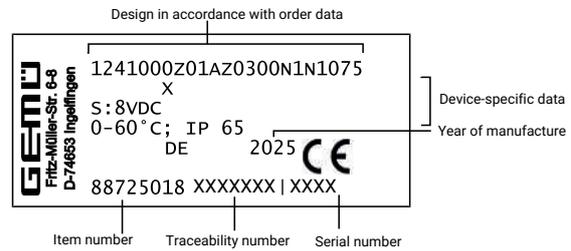
3.2 Description

The GEMÜ 1241 electrical position indicator is suitable for mounting to pneumatically operated actuators. The position of the valve spindle is reliably electronically detected and fed back via the play-free and non-positive mounting by means of a 2-wire proximity switch (NAMUR). The product has been designed specially for valves with a stroke of 5 to 75 mm.

3.3 Function

The GEMÜ 1241 electrical position indicator is used to feed back and verify the position of valves operated with pneumatic actuators. The spindle of the electrical position indicator is connected to the valve spindle of the linear actuator through play-free and non-positive mounting or by adapting to quarter turn actuators, and is moved along with the linear movement of the actuator. The cam fixed to the spindle then

actuates the integrated proximity switches, which are used to transmit the electronic signal. Depending on the version, the electrical position indicator is equipped with one to two proximity switches.

3.4 Product label

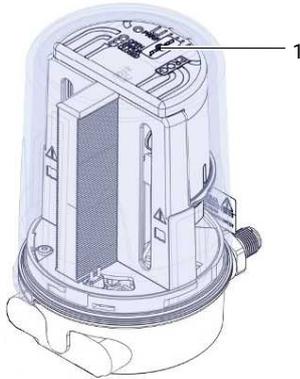
The manufacturing month is coded under the traceability number and can be requested from GEMÜ. The product was manufactured in Germany.

4 GEMÜ CONEXO

Order variant

In the corresponding design with CONEXO, this product has an RFID chip (1) for electronic identification purposes. The position of the RFID chip can be seen below. The CONEXO pen helps read out information stored in the RFID chips. The CONEXO app or CONEXO portal is required to display this information.

Installing the RFID chip (1)



For further information please read the operating instructions for CONEXO products or the CONEXO datasheet.

Products such as the CONEXO app, the CONEXO portal and the CONEXO pen are not included in the scope of delivery and need to be ordered separately.

5 Correct use

 DANGER	
	<p>Danger of explosion!</p> <ul style="list-style-type: none"> ▶ Risk of severe injury or death ● If there is no corresponding declaration of conformity, the product must not be used in potentially explosive atmospheres! ● Only use the product in potentially explosive zones confirmed in the declaration of conformity.

 WARNING	
<p>Improper use of the product!</p> <ul style="list-style-type: none"> ▶ Risk of severe injury or death ▶ Manufacturer liability and guarantee will be void. ● Only use the product in accordance with the operating conditions specified in the contract documentation and in this document. 	

With the special version X order option, the product is intended for use in potentially explosive areas in zone 1 with gases, mists or vapours and zone 21 with combustible dusts in accordance with EU Directive 2014/34/EU (ATEX).

The product has the following explosion protection marking:

ATEX

Gas:  II 2G Ex ia IIC T4 Gb

Dust:  II 2D Ex ia IIIC T120°C Db

0 °C ≤ Ta ≤ +60 °C

EC type examination certificate: IBExU21ATEX1097 X

Notified body: IBExU, No. 0637

IECEX

Gas: Ex ia IIC T4 Gb

Dust: Ex ia IIIC T120°C Db

Certificate: IECEX IBE 21.0043 X

The product has been developed in compliance with the following harmonised standards:

- EN IEC 60079-0:2019 (IEC 60079-0, edition 7)
- EN 60079-11:2012 (IEC 60079-11, edition 6)

Use of the product is permissible in the following ambient temperature ranges: 0 to +60 °C

For use in potentially explosive areas, the following conditions or operation limits must be observed:

Special conditions for use

1. The housing must be installed protected against mechanical hazards.
2. The devices must be installed protected against electrostatic build-up. The product may only be cleaned with a damp cloth.
3. The intrinsically safe characteristic values are listed in the operating instructions.
4. The cable entries may only be used for cables without any armouring or covering and solely for fixed installations.

6 Order data

The order data provide an overview of standard configurations.

Please check the availability before ordering. Other configurations available on request.

Note: A valve specific mounting kit is required for assembly. For designing the mounting kit, the valve type, nominal size, control function and actuator size must be stated.

Order codes

1 Type	Code	6 Electrical connection	Code
Electrical position indicator ATEX	1241	M16 Skintop cable gland	03
2 Fieldbus	Code	7 Option	Code
Without	000	Without	00
3 Accessory	Code	8 Switch	Code
Accessories	Z	Proximity switch, 2-wire, NAMUR P+F, NJ1,5-6,5-15-N-Y180094	N1
4 Housing material	Code	9 Connection diagram	Code
PPS base, PC cover	01	Terminals, NAMUR	N1
5 Device version	Code	M12 plug, 5-pin	N2
Open	A0	10 Travel sensor version	Code
Open/Close	AZ	Potentiometer, 75 mm length	075
Close	Z0	11 Special version	Code
6 Electrical connection	Code	ATEX (2014/34/EU), IECEx	X
M12 plug, 5-pin	01		

Order example

Ordering option	Code	Description
1 Type	1241	Electrical position indicator
2 Fieldbus	000	Without
3 Accessory	Z	Accessories
4 Housing material	01	PPS base, PC cover
5 Device version	A0	Open
6 Electrical connection	03	M16 Skintop cable gland
7 Option	00	Without
8 Switch	N1	Proximity switch, 2-wire, NAMUR P+F, NJ1,5-6,5-15-N-Y180094
9 Connection diagram	N1	Terminals, NAMUR
10 Travel sensor version	075	Potentiometer, 75 mm length
11 Special version	X	ATEX (2014/34/EU), IECEx

7 Technical data

7.1 Temperature

Ambient temperature: 0 – 60 °C

Storage temperature: -10 – 70 °C

7.2 Product compliance

EMC Directive: 2014/30/EU

Explosion protection: ATEX (2014/34/EU)
IECEX

ATEX marking: Gas: $\text{Ex II 2G Ex ia IIC T4 Gb}$
Dust: $\text{Ex II 2D Ex ia IIIC T120°C Db}$
 $0\text{ °C} \leq T_a \leq +60\text{ °C}$
EC type examination certificate: IBExU21ATEX1097 X
Notified body: IBExU, No. 0637

IECEX marking: Gas: Ex ia IIC T4 Gb
Dust: Ex ia IIIC T120°C Db
Certificate: IECEX IBE 21.0043 X

7.3 Mechanical data

Installation position: Optional

Weight: 420 g

Protection class: IP 67

Stroke: 5 – 75 mm

Measuring range radial: 0° to 90°

7.4 Electrical data

Electrical connection type: M12 plug, 5-pin (code 01)
M16x1.5 Skintop cable gland for cable dia. 7 to 9 mm, recommended wire cross section 0.75 mm² x 8 cables (code 03)

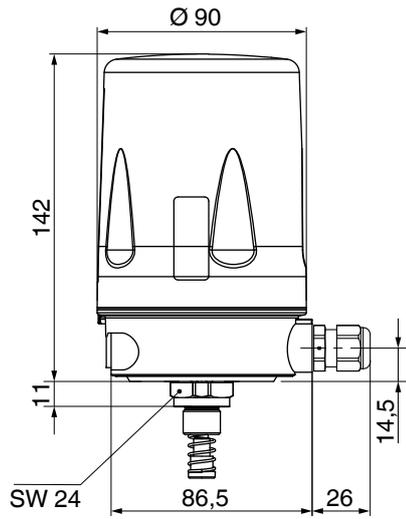
7.4.1 2-wire proximity switch

Switch type: 2-wire, NAMUR, switch (code N1)

Supply voltage: 8 V DC

Current consumption: ≤ 0.1 mA (damped)
≥ 3 mA (undamped)

Intrinsically safe characteristic values: $U_i = 16\text{ V}$
 $I_i = 52\text{ mA}$
 $P_i = 169\text{ mW}$
 $L_i = 50\text{ }\mu\text{H}$
 $C_i = 30\text{ nF}$

8 Dimensions

Dimensions in mm

9 Manufacturer's information

9.1 Delivery

- Check that all parts are present and check for any damage immediately upon receipt.

The product's performance is tested at the factory. The scope of delivery is apparent from the dispatch documents and the design from the order number.

9.2 Packaging

The product is packaged in a cardboard box which can be recycled as paper.

9.3 Transport

1. Only transport the product by suitable means. Do not drop. Handle carefully.
2. After the installation dispose of transport packaging material according to relevant local or national disposal regulations / environmental protection laws.

9.4 Storage

1. Store the product free from dust and moisture in its original packaging.
2. Avoid UV rays and direct sunlight.
3. Do not exceed the maximum storage temperature (see chapter "Technical data").
4. Do not store solvents, chemicals, acids, fuels or similar fluids in the same room as GEMÜ products and their spare parts.
5. Close the compressed air connections with protection caps or sealing plugs.

10 Assembly and installation

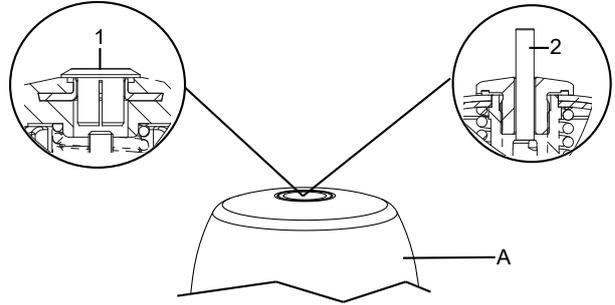
NOTICE

- Pay attention to the information on product labels, in product documentation and EC type examination certificate.
- Connect cable carefully, do not damage individual wires.
- When connecting multiwire or finewire cables, prepare the wire ends.
- Always use suitable pinch tools for pinching wire end ferrules in order to achieve consistent quality.
- Tighten all clamping points, even the ones not being used.

1. Observe the national regulations and provisions.
2. Observe the installer provisions.
3. Protect M12 plugs against electrostatic build-up.
4. Protect M12 plugs against damage.
5. Lay cables securely and protect them from damage.
6. Differential voltage for two intrinsically safe electric circuits: maximum 30 V.
7. Connect open wire ends in a junction box with protection class IP20 and higher or outside the EX area.

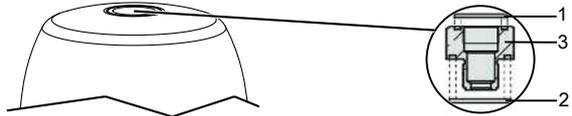
10.1 Preparations for assembly to the valve

1. Move the actuator **A** into zero position (actuator vented).
2. Remove optical position indicator **2** and / or protective cap **1** from the actuator top.



10.2 Threaded adapter assembly (linear actuator)

With some mounting kits, it is necessary to install a threaded adapter as well. This threaded adapter is enclosed with the required mounting kits. Valves with a normally open and double acting control function (code 2+3) also include additional O-rings (1+2).



1. Move the actuator to the closed position.
2. Place O-rings **1** and **2** into threaded adapter **3**.
3. Screw threaded adapter **3** into the actuator opening as far as it will go and tighten.

10.3 Mounting kit assembly

Item	Name	Item	Name
1	Spindle	7	Flange plate
2	Spring	8	Screws
3	Operating bush	9	Pressure disc*
4	Distance piece	10	O-ring*
5	O-ring	11	O-ring*
6	Adapter		

* Included depending on version.

⚠ CAUTION

Pretensioned spring!

- ▶ Damage to the device.
- Slowly release the tension in the spring.

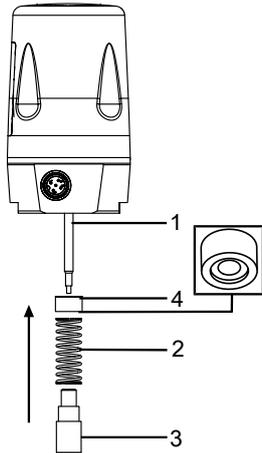
⚠ CAUTION

Do not scratch the spindle!

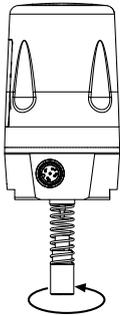
- ▶ A damaged spindle surface may cause failure of the travel sensor.



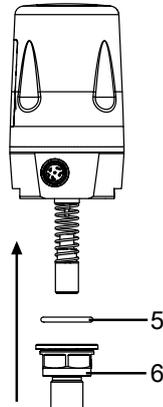
1. Pull out the spindle 1.



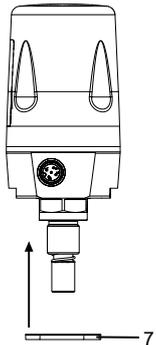
2. Align the indentation of the distance piece 4 to the spring 2 and push it over the spindle 1 using the spring 2 and fix it in place using the operating bush 3.



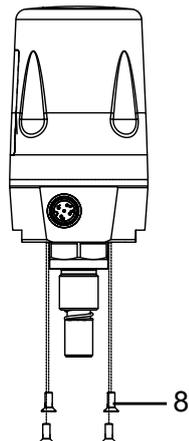
3. Tighten the operating bush 3 by turning it clockwise.



4. Affix the O-ring 5 and the adapter 6.



5. Attach the flange plate 7

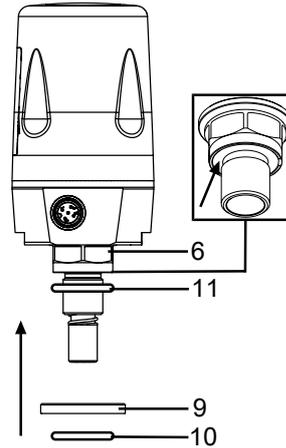


6. Screw the flange plate on tight using screws 8 (1–1.5 Nm).

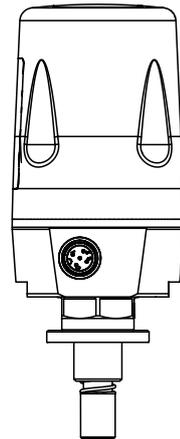
- Push in the spindle until it pushes against the spring and then slowly release the pressure on the spring.

NOTICE

- For some valves (e.g. GEMÜ 650 and GEMÜ 687) it is necessary to fit a pressure disc between the threaded adapter and the actuator head. This is included in the required mounting kits, sometimes with an additional O-ring (only GEMÜ 650 with normally open and double acting control function – code 2+3).
- If the pressure disc does not have a groove for a seal, this will already be inserted in the groove provided at the adapter opening of the actuator head (e.g. GEMÜ 687 with normally open control function – code 2).

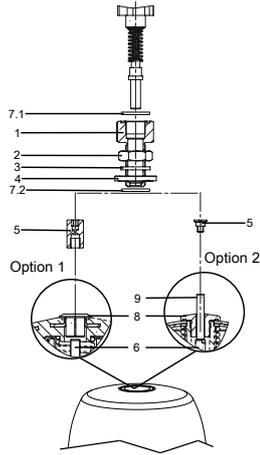


Insert the O-ring 11 (if included) into the corresponding groove on the adapter 6.



If included: Push the pressure disc 9 over the adapter 6 and insert the O-ring 10 in the intended groove of the pressure disc.

10.4 Assembling the stroke limiter (linear actuator)



1. Screw distance piece 5 onto/ into actuator spindle 6.
2. Move the actuator to the closed position.
3. Insert the O-ring 7.1 in the stroke limiter 1.
4. Insert the O-ring 7.2 in the washer 4.
5. Screw stroke limiter 1 with nut 2, seal 3 and washer 4 into the actuator opening.
6. Set stroke limiter 1 to the required stroke.
7. Make sure that the minimum stroke is reached.
8. Secure stroke limiter 1 with nut 2.

Key			
1	Stroke limiter	7.1 ¹⁾ 7.2 ¹⁾	O-ring
2	Nut	8	Protective cap
3 ¹⁾	Seal	9	Position indicator
4 ¹⁾	Washer	10	Operating bush
5 ²⁾	Distance piece	11	Spindle
6	Actuator spindle	12	Travel sensor

- 1) Only available for valves with the NO and DA control functions.
- 2) Only included in required mounting kits. The design depends on the valve.

10.5 Assembling and installing the electrical position indicator (linear actuator)

⚠ DANGER

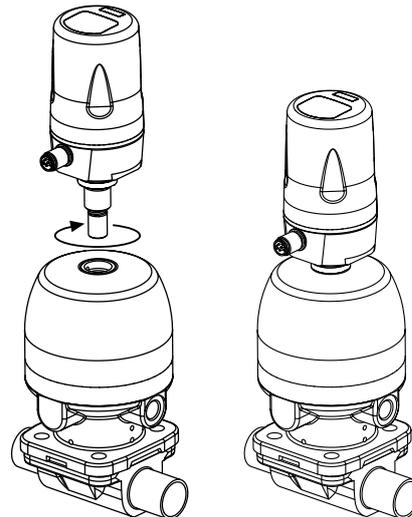
Danger of explosion!

- ▶ Risk of death or severe injury.
- Do not use the product as a step or foothold.
- Prior to commissioning, ensure that the cover is fully closed and that the housing and the O-ring are not damaged.

⚠ DANGER

Electric shock by high voltage

- ▶ Danger of injury or death caused by electric shock.
- Power supply varies depending on version.
- Switch off power to the product when working on the product.
- Only allow qualified trained personnel to work on the electrical connections.



1. Move the actuator to the OPEN position.
2. Guide the product as far as it will go into the actuator opening, the adapter 3 (see "Threaded adapter assembly (linear actuator)", page 10) or the stroke limiter 1 (see "Assembling the stroke limiter (linear actuator)", page 12), and screw it in clockwise against the initial spring tension.
3. Use the spanner flat of the travel sensor to tighten the product.
4. Turn the housing clockwise to align the pneumatic or electrical connections.
5. Initialize the product.

⚠ CAUTION

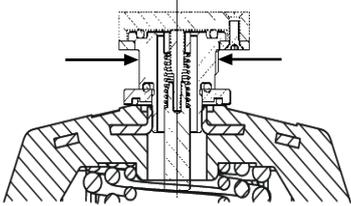
Incorrect installation of the product.

- ▶ Damage to the housing.
- Only tighten the product using the spanner flats provided for this purpose.

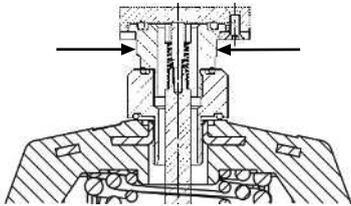
NOTICE

Wrong mounting kit

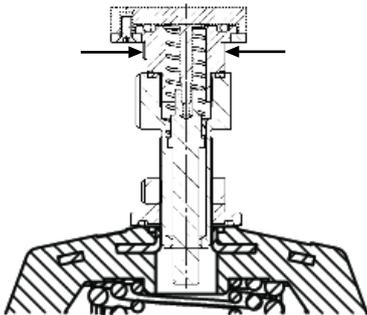
- ▶ If no initial spring tension can be felt, it may be the case that the wrong mounting kit with too short an operating bush has been used.
- ▶ If the spring locks and the positioner cannot be correctly mounted on the valve, it may be the case that the wrong mounting kit with too long an operating bush has been used or that a required adapter has not been used.
- In both cases, check that the mounting kit parts are being used correctly and in their entirety.



6. The product with mounting kit is fully assembled.



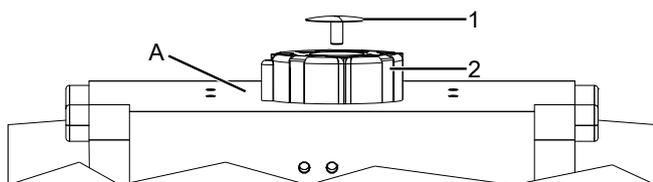
7. The product with mounting kit and adapter is fully assembled.



8. The product with mounting kit and stroke limiter is fully assembled.

10.6 Preparations for assembly to the valve (quarter turn actuator)

1. Move the actuator **A** into zero position (actuator vented).



2. Remove the screw **1** from the trigger cam **2**.

10.7 NAMUR sizes, quarter turn actuator, PTAZ

The following borehole patterns are available:

80 x 30 x 20

80 x 30 x 30

130 x 30 x 30

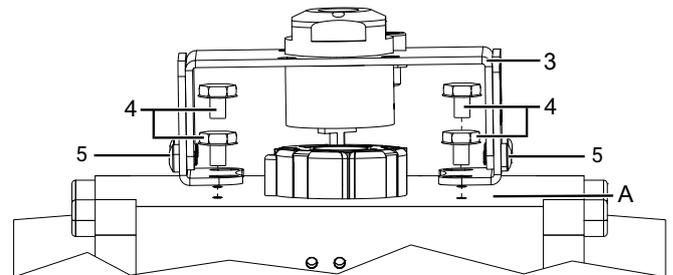
130 x 30 x 50

10.8 Contents of PTAZ mounting kit for quarter turn actuator

The PTAZ mounting kit contains the following items:

Item
PTAZ adapter
PTAZ mounting kit
Flange plate
O-ring
Screws (4x)
Adapter (M16x1)
Operating bush
Compression spring

10.9 Mounting kit assembly (quarter turn actuator)



1. Adjust the mounting bracket to the required borehole pattern.
 - ⇒ To do this, loosen the side screws **5** and set the retaining feet onto the thread of the actuator, and install it using screws **4**.
2. Secure the bracket **3** to the retaining feet as shown. In doing so, the tap shaft must sit free of play in the shaft of the actuator.

10.10 Assembling and installing the electrical position indicator (quarter turn actuator)

⚠ DANGER



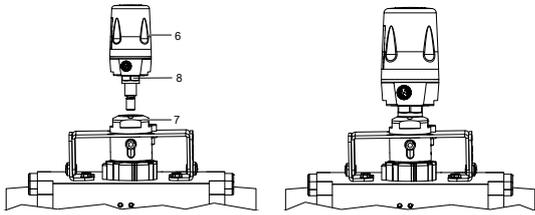
Electric shock by high voltage

- ▶ Danger of injury or death caused by electric shock.
- Power supply varies depending on version.
- Switch off power to the product when working on the product.
- Only allow qualified trained personnel to work on the electrical connections.

CAUTION

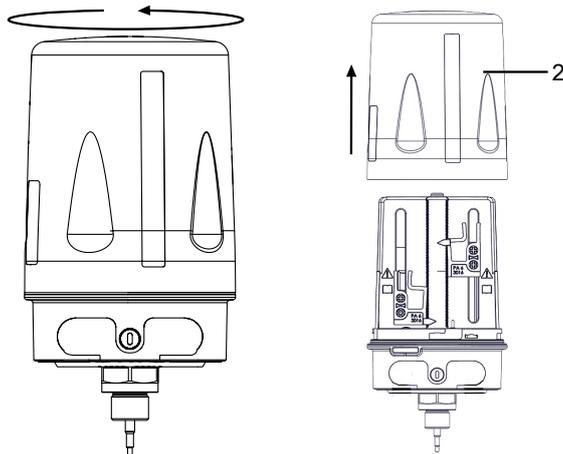
Incorrect installation of the product.

- ▶ Damage to the housing.
- Only tighten the product using the spanner flats provided for this purpose.

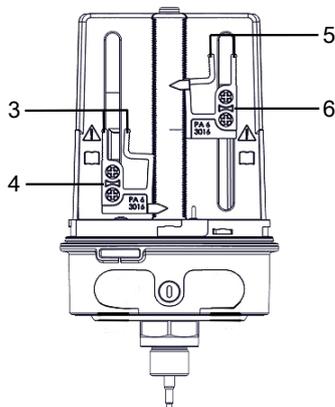


1. Screw the electrical position indicator **6** onto the adapter **7**.
2. Use the spanner flat **8** (WAF 27) of the travel sensor to tighten the electrical position indicator.
3. Turn the housing clockwise to align the pneumatic or electrical connections.
4. Initialize the product.

10.11 Setting the switching positions



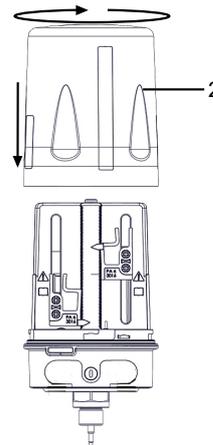
1. Turn the cover anticlockwise to open the bayonet fitting.
2. Remove cover **2**.



Setting the upper switching position:

Setting the lower switching position:

3. Move the valve to the OPEN position.
4. Squeeze and hold red levers **3**.
5. Push switch **4** on the toothed bar into the desired position.
6. Release red levers **3**.
 - ⇒ Switch **4** engages.
 - ⇒ The upper switching position is set.
7. Move the valve to the CLOSED position.
8. Squeeze and hold red levers **5**.
9. Push switch **6** on the toothed bar into the desired position.
10. Release red levers **5**.
 - ⇒ Switch **6** engages.
 - ⇒ The lower switching position is set.
11. Make the electrical connection.



12. After completing the electrical connection, carefully pull the connection cable taut.
13. Make sure that seal **1** is fitted correctly and is not damaged.
14. Put on cover **2** so that the bayonet fitting is inserted correctly and turn cover **2** clockwise.
15. Restore the power supply.
16. To check that everything is working correctly, open and close the valve and observe the signalling.
17. If the settings need to be readjusted, switch off power to the product again and repeat the steps in "Setting the switching positions".

11 Electrical connection

DANGER

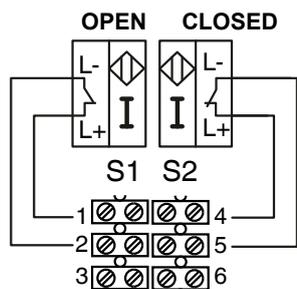


Electric shock by high voltage

- ▶ Danger of injury or death caused by electric shock.
- Power supply varies depending on version.
- Switch off power to the product when working on the product.
- Only allow qualified trained personnel to work on the electrical connections.

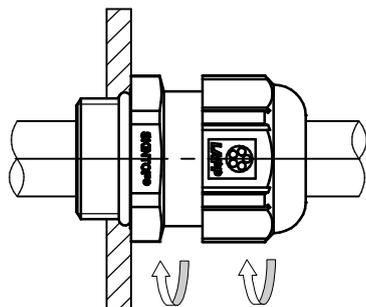
11.1 M16 Skintop cable gland (code 03)

11.1.1 Connection diagram - NAMUR (code N1)



Electrical connection Code 03

11.1.2 Installation



✓ The Skintop cable gland is already installed in the device.

1. Insert the cable.
2. Tighten the cap nut (torque: 3 Nm).

11.2 M12 plug, 5-pin (code 01)

11.2.1 Connection diagram - NAMUR (code N2)



Pin	Signal name
1	L+, OPEN switch
2	L-, OPEN switch
3	L+, CLOSED switch
4	L-, CLOSED switch
5	n.c. *

*Pin 5 is not connected.

12 Troubleshooting

Error	Error cause	Troubleshooting
No stroke	No mounting kit available	Check mounting kit
	Process valve faulty	Replace process valve
	Wrong mounting kit installed	Replace mounting kit
No feedback	Incorrect assembly	Check assembly, wiring and connection
	Switch not set	Set switch
	Wrong mounting kit installed	Replace mounting kit
	Voltage is not connected	Connect voltage
Cover cannot be attached	Sealing ring inserted incorrectly	Insert sealing ring correctly
	Sealing ring damaged	Replace sealing ring
	Cables protruding over the edge of the base	Check the cable routing and shorten the cables if necessary

13 Inspection and maintenance

DANGER

Electric shock by high voltage

- ▶ Danger of injury or death caused by electric shock.
- Power supply varies depending on version.
- Switch off power to the product when working on the product.
- Only allow qualified trained personnel to work on the electrical connections.

NOTICE

Exceptional maintenance work!

- ▶ Damage to the GEMÜ product
- Any maintenance work and repairs not described in these operating instructions must not be performed without consulting the manufacturer first.

The operator must carry out regular visual examinations of the products, depending on the operating conditions and the potentially hazardous situations, in order to prevent leakage and damage.

1. Have servicing and maintenance work performed by trained personnel.
2. Wear appropriate protective gear as specified in the plant operator's guidelines.
3. Disconnect from power supply.
4. Shut off plant or plant component.
5. Secure plant or plant component against recommissioning.
6. Depressurize the plant or plant component.
7. Actuate products that are always in the same position four times a year.
8. Carry out inspection and maintenance for products in the potentially explosive area to DIN EN 60079-17.

13.1 Spare parts

No spare parts are available for this product. If it is faulty, please return it to GEMÜ for repair.

13.2 Cleaning the product

DANGER

Danger of explosion!

- ▶ Risk of death or severe injury.
- Danger from sparking. Only clean the product with an anti-static or damp cloth.

- Do **not** clean the product with a high pressure cleaning device.

14 Disassembly

1. Disassemble in reverse order to assembly.
2. Unscrew the electrical wiring.
3. Disassemble the product. Observe warning notes and safety information.

15 Disposal

1. Pay attention to adhered residual material and gas diffusion from penetrated media.
2. Dispose of all parts in accordance with the disposal regulations/environmental protection laws.
3. Dispose of electronic components separately.

16 Returns

Legal regulations for the protection of the environment and personnel require that the completed and signed return delivery note is included with the dispatch documents. Returned goods can be processed only when this note is completed. If

no return delivery note is included with the product, GEMÜ cannot process credits or repair work but will dispose of the goods at the operator's expense.

1. Clean the product.
2. Request a return delivery note from GEMÜ.
3. Complete the return delivery note.
4. Send the product with a completed return delivery note to GEMÜ.

17 Declaration of conformity according to 2014/30/EU (EMC Directive)



Version 1



EU-Konformitätserklärung
EU Declaration of Conformity

Wir, die Firma

We, the company

GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG
Fritz-Müller-Straße 6-8
74653 Ingelfingen
Deutschland

erklären hiermit in alleiniger Verantwortung, dass die nachfolgend bezeichneten Produkte den Vorschriften der genannten Richtlinien entspricht.

hereby declare under our sole responsibility that the below-mentioned products complies with the regulations of the mentioned Directives.

Produkt: GEMÜ 1241

Product: GEMÜ 1241

Produktname: Elektrischer Stellungsrückmelder

Product name: Electrical position indicator

Richtlinien/Verordnungen:

Directives/Regulations:

EMC 2014/30/EU

Folgende harmonisierte Normen (oder Teile hieraus) wurden angewandt:

The following harmonized standards (or parts thereof) have been applied:

EN 60947-5-6:2000-01; EN IEC 60947-5-2:2020

i.V. M. Barghoorn
Leiter Globale Technik
Ingelfingen, 04.08.2025

GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG
Fritz-Müller-Straße 6-8, 74653 Ingelfingen, Deutschland

www.gemu-group.com
info@gemu.de

18 EU Declaration of Conformity in accordance with 2014/34/EU (ATEX Directive)

Version 1



EU-Konformitätserklärung
EU Declaration of Conformity

Wir, die Firma

We, the company

GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG
Fritz-Müller-Straße 6-8
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Produkt: GEMÜ 1241

Product: GEMÜ 1241

Produktname: Elektrischer Stellungsrückmelder

Product name: Electrical position indicator

Richtlinien/Verordnungen:

Directives/Regulations:

ATEX 2014/34/EU¹⁾

Folgende harmonisierte Normen (oder Teile hieraus) wurden angewandt:

The following harmonized standards (or parts thereof) have been applied:

EN 60079-0:2012+A11:2013; EN 60079-11:2012

¹⁾ ATEX 2014/34/EU

Benannte Stelle:

IBEXU Institut für Sicherheitstechnik GmbH

Kennnummer der benannten Stelle: 0637

EU-Baumusterprüfbescheinigung Nr.: IBEXU21ATEX1097 X

Bemerkungen:

Besondere Bedingungen oder Einsatzgrenzen, siehe Kapitel „Bestimmungsgemäße Verwendung“ der Betriebsanleitung.

Explosionsschutzkennung: Gas: II 2G Ex ia IIC T4 Gb

Explosionsschutzkennung: Staub: II 2D Ex ia IIIC T120°C Db

Umgebungstemperaturbereich: 0 °C ≤ T_a ≤ 60 °C

¹⁾ ATEX 2014/34/EU

Notified body:

IBEXU Institut für Sicherheitstechnik GmbH

ID number of the notified body: 0637

EU-Type Examination Certificate no.: IBEXU21ATEX1097 X

Remarks:

For special conditions or limits of use, see chapter 'Correct use' in the operating instructions.

Explosion protection designation: Gas: II 2G Ex ia IIC T4 Gb

Explosion protection designation: Dust: II 2D Ex ia IIIC T120°C Db

Ambient temperature range: 0 °C ≤ T_a ≤ 60 °C

i.V. M. Barghoorn
Leiter Globale Technik
Ingelfingen, 04.08.2025

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Subject to alteration

08.2025 | 88729327