

GEMÜ 1215

Electrical position indicator



Features

- Position feedback via microswitch
- The housing can be rotated through 360°
- In addition to electrical position indication an optical position indicator is also installed
- ATEX version available as an option
- Standard optical position indicator

Description

The GEMÜ 1215 electrical position indicator is suitable for mounting to pneumatically operated linear actuators. The position (end position open) of the valve spindle is reliably detected and fed back electronically by the operating bush with a microswitch.

Technical specifications

- **Ambient temperature:** -15 to 60 °C
- **Supply voltages:** 230 V AC, 50/60 Hz | 24 V DC
- **Protection class:** IP 65
- **Electrical connection types:** PG 11 cable gland | M12 plug
- **Switch types:** Microswitch
- **Conformities:** ATEX | EAC

Technical data depends on the respective configuration



further information
webcode: GW-1215

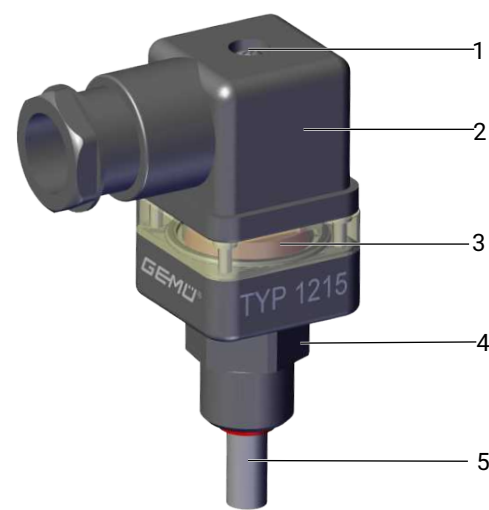


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Product description

Construction



Item	Name	Materials
1	Self-tapping screw	galvanized white
2	Plug housing	PA
3	Standard housing visual display (K number: without (standard), 0101, 6537, 6647)	PA 12 TR 90 UV
	Optional housing visual display (K number: 6968, 7072)	PP natural transparent
4	Base	PP
5	Operating bush	valve-specific

Order data

The order data provide an overview of standard configurations.

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

Order codes

1 Type	Code
Electrical position indicator	1215
2 Fieldbus	Code
Without	000
3 Accessory	Code
Accessory	Z
4 Index	Code
For valve-specific design, contact GEMÜ	
5 Index 2	Code
For valve-specific design, contact GEMÜ	

6 Design	Code
Standard housing visual display, PG11 cable gland	
Media wetted area cleaned to ensure suitability for paint applications, parts sealed in plastic bag, standard housing visual display, PG11 cable gland	0101
Standard housing visual display, M12 plug, 4-pin	6537
Standard housing visual display, PG11 Skintop cable gland	6647
Optional housing visual display, PG11 Skintop cable gland	6968
Optional housing visual display, PG11 cable gland	7072

7 High Purity version	Code
Without	
High Purity	HP

8 Special version	Code
Without	
ATEX version	X

Order example

Ordering option	Code	Description
1 Type	1215	Electrical position indicator
2 Fieldbus	000	Without
3 Accessory	Z	Accessory
4 Index		For valve-specific design, contact GEMÜ
5 Index 2		For valve-specific design, contact GEMÜ
6 Design		Standard housing visual display, PG11 cable gland
7 High Purity version		Without
8 Special version		Without

Technical data

Temperature

Ambient temperature: -15 – 60 °C

Storage temperature: 0 – 40 °C

Product compliance

Explosion protection: 2014/34/EU (ATEX)

Machinery Directive: 2006/42/EC

RoHS Directive: 2011/65/EU

Low Voltage
Directive: 2014/35/EU

Mechanical data

Installation position: Optional

Weight: 45 g

Protection class: IP 65

Electrical data

Electrical connection
type: M12 plug, 4-pin (code 6537)
PG11 cable gland for cable dia. 6 to 8 mm, recommended wire cross section 0.75 mm² (code without, 0101, 7072)
PG11 Skintop cable gland for cable dia. 4 to 10 mm, recommended wire cross section 0.75 mm² (code 6647, 6968)

Microswitch

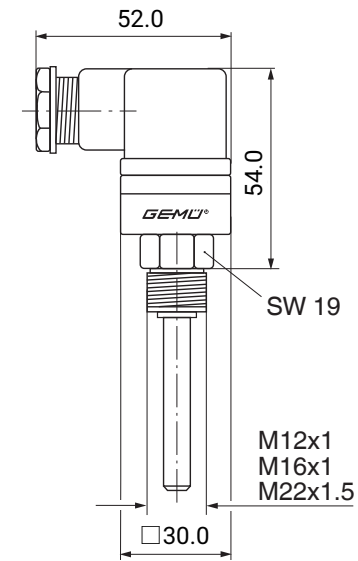
Max. switching voltage: 230 V AC, 50/60 Hz | 24 V DC

Max. switching current: 2.5 A AC, 1 A DC
Information applies to 40 °C ambient temperature

Application category: AC-15, DC-12 (standard function)

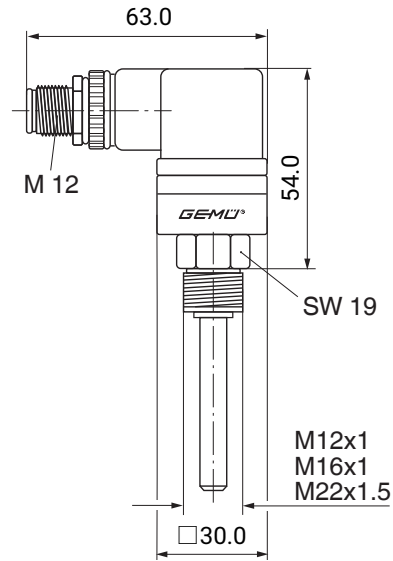
Dimensions

PG11 cable gland



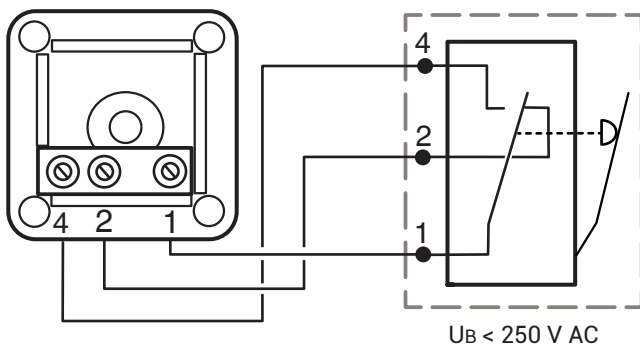
Dimensions in mm

M12 plug, 4-pin



Electrical connection

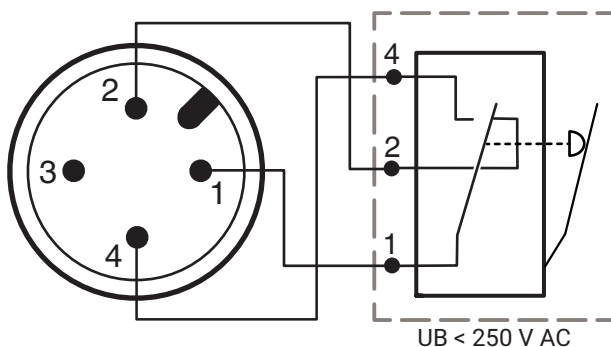
Cable gland connection diagram or Skintop cable gland (code without, 0101, 6647, 6968, 7072)



Connection of the switch screw terminals

- Maximum cross section of wire 0.75 mm²
- Maximum length of wire end ferrule 6 mm
- Wire end ferrules according to DIN 46228

Connection diagram - M12 plug, 4-pin (code 6537)



Not available as ATEX version (code X).



GEMÜ Gebr. Müller Apparatebau GmbH & Co. KG
Fritz-Müller-Straße 6-8, 74653 Ingelfingen-Criesbach, Germany
Phone +49 (0) 7940 1230 · info@gemue.de
www.gemu-group.com