GEMÜ 768

Motorized compact flanged ball valve

Features

- High flow rates
- Full-flow bore
- Suitable for vacuum applications
- Available with Open/Close control or control module
- Antistatic device

Description

The GEMÜ 768 2/2-way metal ball valve is motorized. It has a plastic actuator housing. A manual override and an optical position indicator are integrated as standard. The seat seal is made of PTFE.

Technical specifications

- Media temperature*: -20 to 180 °C
- Ambient temperature*: -20 to 60 °C
- Operating pressure*: 0 to 40 bar
- Nominal sizes : 1/2“ (DN15) to 4“ (DN100)
- Body configurations: 2/2-way body
- Connection types: Flange
- Connection standards: ANSI | EN
- Body materials: 1.4408, investment casting material
- Seal materials: PTFE
- Supply voltage: 12 - 250 V AC/DC
- Operating time 90°: 11 to 20 s
- Protection class: IP 65

* depending on version and/or operating parameters

further information
webcode: GW-768

Product line



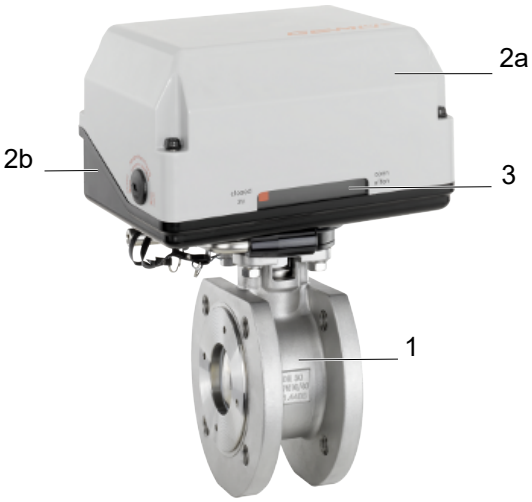

	GEMÜ K762	GEMÜ 761	GEMÜ 762	GEMÜ 768
Operation				
With bare shaft	●	-	-	-
Manual	-	-	●	-
Pneumatic	-	●	-	-
Motorized	-	-	-	●
Nominal sizes	DN 15 to 100	DN 15 to 100	DN 15 to 100	DN 15 to 100
Media temperature	-20 to 180 °C	-20 to 180 °C	-20 to 180 °C	-20 to 180 °C
Operating pressure	0 to 40 bar	0 to 40 bar	0 to 40 bar	0 to 40 bar
Connection types				
Flange	●	●	●	●

* depending on version and/or operating parameters

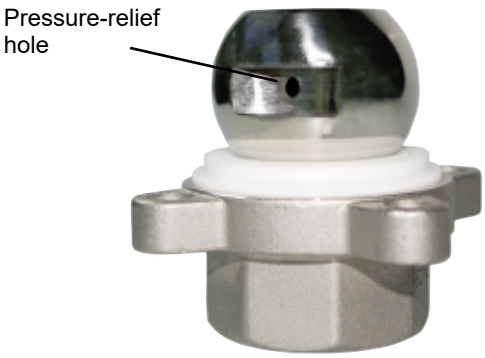
Motorized quarter turn actuators GEMÜ, J+J, Bernard, Auma

	GEMÜ 9428	GEMÜ 9468	GEMÜ J4C	GEMÜ AQ	GEMÜ BC
Manufacturer	GEMÜ	GEMÜ	J+J	AUMA	Bernard Controls
Manufacturer type	9428	9468	J4C	AM, AC, SQ, SQR	AQ, AQL
Torques	6 to 35 Nm	70 to 200 Nm	20 to 300 Nm	150 to 2400 Nm	50 to 500 Nm
Duty cycle	100 % (12 V/24 V) 40 % (100 - 250 V)	30 % (ON/OFF actuator) 50 % (control actuator)	75 %	20 % (On/Off actuator) 25 % (control actuator)	30 % (ON/OFF actuator) 50 % (control actuator)
Heating	No	No	Yes	Yes	Yes
Voltage					
	-	-	-	-	●
12 V DC	●	-	●	-	-
230 V AC, 50 Hz	●	-	●	●	●
24 V DC	●	●	-	-	●
400 V AC, 50 Hz	-	-	-	●	-
Protection class	IP 65	IP 65	IP 67	IP 68	IP 68
Ambient temperature	-10 to 60 °C	-10 to 60 °C	-20 to 70 °C	-40 to 70 °C	-40 to 60 °C
Housing materials					
ABS	-	●	-	-	-
Aluminium	-	●	-	●	●
Polyamide (PA6)	-	-	●	-	-
PP	●	-	-	-	-
Versions					
Limit switches	●	●	●	●	●
ON/OFF actuator	●	●	-	●	●
Optional battery pack	-	-	●	-	-
Optional on-site control	-	-	-	●	●
Optional positioner	-	-	●	●	-
Optional positioning actuator	-	●	●	●	●
Optional potentiometer	-	●	-	-	●
Optionally 3 positions	-	-	●	-	-
Torque switch	-	-	-	●	-

Product description



Item	Name	Materials
1	Ball valve body	1.4408, investment casting (316)
2a	Actuator housing cover Actuator version 1015 Actuator version 2015, 3035 Actuator version 2070 Actuator version 4100, 4200	 PPO (10% glass fibre reinforced) PP (30% glass fibre reinforced) ABS Aluminium
2b	Actuator housing base Actuator version 1015, 2015, 3035 Actuator version 2070 Actuator version 4100, 4200	 PP (30% glass fibre reinforced) ABS Aluminium
3	Optical position indicator	PP-R natural
	Ball	1.4401, investment casting (316)
	Seal material	PTFE



GEMÜ CONEXO

The interaction of valve components that are equipped with RFID chips and an associated IT infrastructure actively increase process reliability.

Thanks to serialization, every valve and every relevant valve component such as the body, actuator or diaphragm, and even automation components, can be clearly traced and read using the CONEXO pen RFID reader. The CONEXO app, which can be installed on mobile devices, not only facilitates and improves the "installation qualification" process, but also makes the maintenance process much more transparent and easier to document. The app actively guides the maintenance technician through the maintenance schedule and directly provides him with all the information assigned to the valve, such as test reports, testing documentation and maintenance histories. The CONEXO portal acts as a central element, helping to collect, manage and process all data.

For further information on GEMÜ CONEXO please visit:

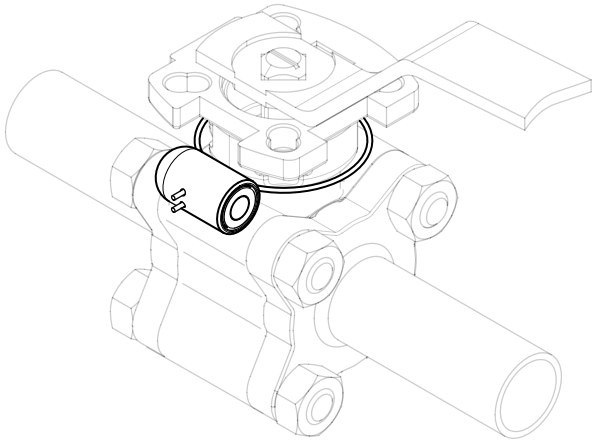
www.gemu-group.com/conexo

Ordering

GEMÜ Conexo must be ordered separately with the ordering option "CONEXO" (see order data).

Installing the RFID chip

In the corresponding design with CONEXO, this product has an RFID chip (1) for electronic recognition. The position of the RFID chip can be seen below.



Availability

Actuator assignment

DN	NPS	Flange type	Actuator version code [1]					
			1015	2015	3035	2070	4100	4200
15	**1/2"**	F04	X	X	-	-	-	-
20	**3/4"**	F04	X	X	-	-	-	-
25	**1"**	F05	-	-	X	-	-	-
32	**1 1/4"**	F05	-	-	X	X	-	-
40	**1 1/2"**	F07	-	-	X	X	-	-
50	**2"**	F07	-	-	-	X	-	-
65	**2 1/2"**	F10	-	-	-	X	-	-
80	**3"**	F10	-	-	-	-	X	-
100	**4"**	F10	-	-	-	-	-	X

Voltage/Frequency

Actuator version Code [1]	Control modul Code [2]	Voltage/Frequency				
		12 V DC (Code B1)	12 V AC (Code B4)	24 V DC (Code C1)	24 V AC (Code C4)	100-250 V AC (Code O4)
1015	**A0, AE**	X	-	X	-	-
2015	**A0, AE**	-	X	-	X	X
3035	**A0, AE**	-	-	X	-	X
2070	**00, 0E, 0P**	-	-	X	-	-
4100	**00, 0E, 0P**	-	-	X	-	-
4200	**00, 0E, 0P**	-	-	X	-	-

1) **Actuator version**
Code 1015: Torque 15 Nm, operating time 11 s, actuator size 1, supply voltage B1, C1
Code 2015: GEMÜ actuator, motorized, size 2, operating time 11 s, torque 15 Nm, supply voltage B4, C4, O4
Code 3035: Torque 35 Nm, operating time 15 s, actuator size 3, supply voltage C1, O4
Code 2070: Torque 70 Nm, operating time 15 s, actuator size 2, supply voltage C1
Code 4100: Torque 100 Nm, operating time 20 s, actuator size 4, supply voltage C1
Code 4200: Torque 200 Nm, operating time 16 s, actuator size 4, supply voltage C1

2) **Control module**
Code 00: On/Off actuator with relay, not reversible
Code 0E: On/Off actuator with 2 additional, potential-free limit switches, with relay, not reversible
Code 0P: On/Off actuator with potentiometer output, with relay, not reversible
Code A0: On/Off actuator
Code AE: On/Off actuator with 2 additional, potential-free limit switches, Class A (EN15714-2)

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
Ball valve, metal, electrically operated	768

2 DN	Code
DN 15	15
DN 20	20
DN 25	25
DN 32	32
DN 40	40
DN 50	50
DN 65	65
DN 80	80
DN 100	100

3 Ball configur./port position	Code
2/2-way body	D

4 Connection type	Code
Flange ANSI class 125/150 RF, up to DN 100 face-to-face dimension FTF EN 558 series 3, ASME/ANSI B16.10 table 1, columns 8 and 9, from DN 125 face-to-face dimension FTF EN 558 series 12, ASME/ANSI B16.10 table 1, column 3	46
Flange EN 1092, PN 16/PN40, form B DN 15 to DN 80, flange EN 1092, PN 16, form B DN 100 only	68

5 Ball valve material	Code
Body 1.4408 (CF8M), ball SS316 for DN 8 - DN 15, ball CF8M for DN 20 - DN 100	37

6 Seal material	Code
PTFE	5
TFM 1600 (FDA compliant), maximum -20 °C - +220 °C	5T

7 Voltage/Frequency	Code
12 VDC	B1
12 V 50/60 Hz	B4
24 VDC	C1
24 V 50/60 Hz	C4
120 V 50/60 Hz	G4
230 V 50/60 Hz	L4
100–250 V 50/60 Hz	O4

8 Control module	Code
On/Off actuator, relay, not reversible	00
On/Off actuator, two additional potential-free limit switches, relay, not reversible	0E
On/Off actuator, potentiometer output, relay, not reversible	0P
On/Off actuator	A0
On/Off actuator, two additional potential-free limit switches, Class A (EN15714-2)	AE
On/Off actuator, potentiometer output, Class A (EN15714-2)	AP
Control actuator, external set value 0–10 VDC	E1
Control actuator, external set value 0/4–20 mA	E2

9 Actuator version	Code
GEMÜ actuator, motorized, size 1, operating time 11 s, torque 15 Nm, supply voltage B1, C1	1015
GEMÜ actuator, motorized, size 3, operating time 15 s, torque 35 Nm, supply voltage C1, O4	3035
GEMÜ actuator, motorized, size 2, operating time 15 s, torque 70 Nm, supply voltage C1	2070
GEMÜ actuator, motorized, size 4, operating time 20 s, torque 100 Nm, supply voltage C1	4100
GEMÜ actuator, motorized, size 4, operating time 16 s, torque 200 Nm, supply voltage C1	4200

10 CONEXO	Code
without	
Integrated RFID chip for electronic identification and traceability	C

Order example

Order option	Code	Description
1 Type	768	Ball valve, metal, electrically operated
2 DN	25	DN 25
3 Ball configur./port position	D	2/2-way body
4 Connection type	68	Flange EN 1092, PN 16/PN40, form B DN 15 to DN 80, flange EN 1092, PN 16, form B DN 100 only
5 Ball valve material	37	Body 1.4408 (CF8M), ball SS316 for DN 8 - DN 15, ball CF8M for DN 20 - DN 100
6 Seal material	5	PTFE
7 Voltage/Frequency	C1	24 VDC
8 Control module	A0	On/Off actuator
9 Actuator version	1015	GEMÜ actuator, motorized, size 1, operating time 11 s, torque 15 Nm, supply voltage B1, C1
10 CONEXO		without

Technical data

Medium

Working medium: Corrosive, inert, gaseous and liquid media and steam which have no negative impact on the physical and chemical properties of the body and seal material.

Temperature

Media temperature: -20 to 180 °C

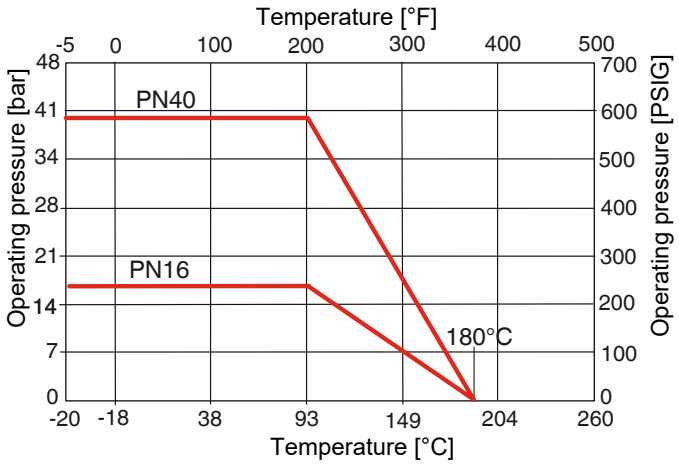
Ambient temperature: -20 to 60 °C
Higher temperatures on request

Storage temperature: 0 to 40 °C

Pressure

Leakage rate: Leakage rate according to ANSI FCI70 – B16.104
Leakage rate according to EN12266, 6 bar air, leakage rate A

Pressure/temperature diagram:



Pressure rating: PN 16
PN 40

Kv values:

DN	NPS	Kv values
15	1/2"	12.8
20	3/4"	29.1
25	1"	47.8
32	1¼"	2.6
40	1½"	0.2
50	2"	213.7
65	2½"	273.3
80	3"	495.3
100	4"	871.1

Kv values in m³/h

Product compliance

Machinery Directive: 2006/42/EC

EMC Directive: 2014/30/EU

Low Voltage Directive: 2014/35/EU

Mechanical data

Torques:

DN	NPS	Torque
15	1/2"	5
20	3/4"	7
25	1"	29.1
32	1¼"	1.7
40	1½"	0.2
50	2"	36
65	2½"	60
80	3"	74
100	4"	90

Torques in Nm

Weight:

Ball valve

DN	NPS	Weight
15	1/2"	1.1
20	3/4"	1.7
25	1"	72.6
32	1¼"	3.9
40	1½"	0.3
50	2"	6.0
65	2½"	10.8
80	3"	12.5
100	4"	18

Actuator

Actuator version 1015:	1.0
Actuator version 2015 (12/24 V):	1.0
Actuator version 2015 (100–250 V):	2.4
Actuator version 3035:	2.4
Actuator version 2070:	4.6
Actuator version 4100:	11.6
Actuator version 4200:	11.6

Weights in kg

Electrical data

Duty cycle:
Supply voltage 12 V / 24 V: Continuous duty
Supply voltage 100 - 250 V: 40 % duty

Electrical protection:
Potential-free limit switches (change-over contact 250 V AC/6 A)
Actual value potentiometer: 3 kΩ (± 20 %)

Electrical protection class:
I (DIN EN 61140)

Input signals:
24 V DC, 24 V AC, 120 V AC, 230 V AC
dependent on rated voltage

Recommended motor protection:

Voltage	12 V DC	24 V DC	120 V AC	230 V AC
Motor protection switch type	Siemens 3RV 1011-1CA10	Siemens 3RV 1011-1BA10	Siemens 3RV 1011-OGA10	Siemens 3RV 1011-OGA10
Set current	2.20	1.70	0.60	0.45

Current data in A

Cable diameter:
Supply voltage 12 V / 24 V: 7.5 to 12.5 mm
Supply voltage 100 - 250 V: 7.0 to 9.0 mm

Max. cross section of wire: 1.5 mm²

Power consumption:

Actuator version Code	Control module Code	12 V DC (Code B1)	12 V AC (Code B4)	24 V DC (Code C1)	24 V AC (Code C4)	100-250 V AC (Code O4)
1006	**A0, AE**	30	30	30	30	-
1015	**A0, AE**	30	-	30	-	-
2006	**A0, AE**	-	-	-	-	60
2015	**A0, AE**	-	30	-	30	50
3035	**A0, AE**	-	-	30	-	50
2070	**00, 0E, 0P**	-	-	63	-	-
4100	**00, 0E, 0P**	-	-	105	-	-
4200	**00, 0E, 0P**	-	-	90	-	-

Power consumption in W

Max. current at start up:

Actuator version Code	Control module Code	12 V DC (Code B1)	12 V AC (Code B4)	24 V DC (Code C1)	24 V AC (Code C4)	100-250 V AC (Code O4)
1006	**A0, AE**	6.3	2.4	4.0	1.8	-
1015	**A0, AE**	9.2	-	3.8	-	-
2006	**A0, AE**	-	-	-	-	0.3
2015	**A0, AE**	-	2.3	-	1.8	0.4
3035	**A0, AE**	-	-	3.3	-	0.2
2070	**00, 0E, 0P**	-	-	14.0		-
4100	**00, 0E, 0P**	-	-	35.0	-	-
4200	**00, 0E, 0P**	-	-	35.0		-

Current data in A

Current consumption:

Actuator version Code	Control module Code	12 V DC (Code B1)	12 V AC (Code B4)	24 V DC (Code C1)	24 V AC (Code C4)	100-250 V AC (Code O4)
1006	**A0, AE**	2.2	2	1.2	1.5	-
1015	**A0, AE**	2.2	-	1.2	-	-
2006	**A0, AE**	-	-	-	-	0.25
2015	**A0, AE**	-	2	-	1.2	0.2
3035	**A0, AE**	-	-	1.3	-	0.2
2070	**00, 0E, 0P**	-	-	2.6	-	-
4100	**00, 0E, 0P**	-	-	4.4	-	-
4200	**00, 0E, 0P**	-	-	3.6	-	-

Current data in A

Supply voltage 12 V / 24 V:
Motor protective system by customer

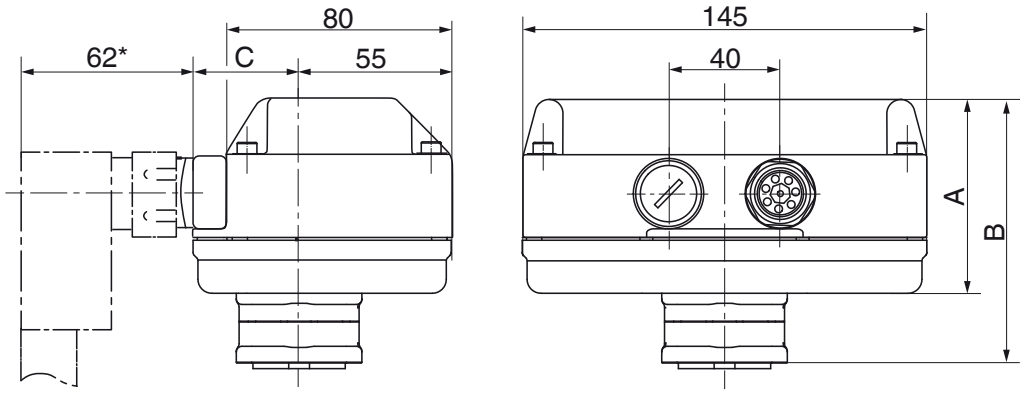
Supply voltage 100 - 250 V:
Integrated stall and overload protection

plus excess current release T 1A 5x20 mm

Dimensions

Actuators

Actuator version 1006, 1015, 2006, 2015

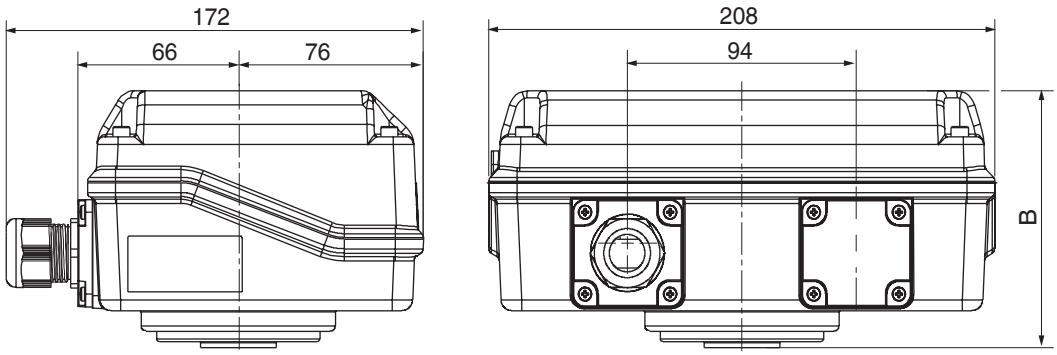


* Standard with supply voltage code O4

Actuator version	A	B	C
1006, 1015	69	94	49
2006, 2015	96	122	53

Dimensions in mm

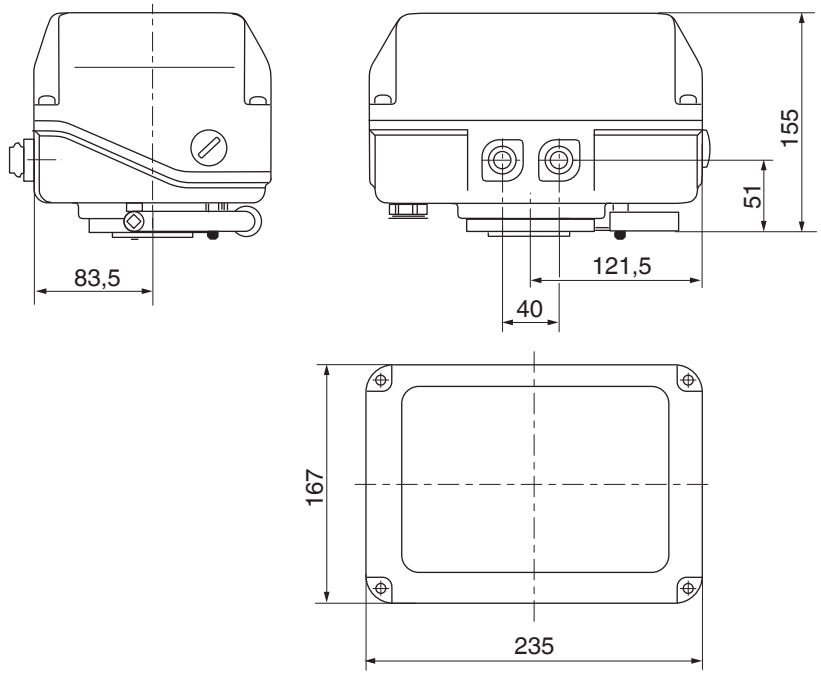
Actuator version 3035



Voltages	B
24 V	100.5
100 V - 250 V	124.5

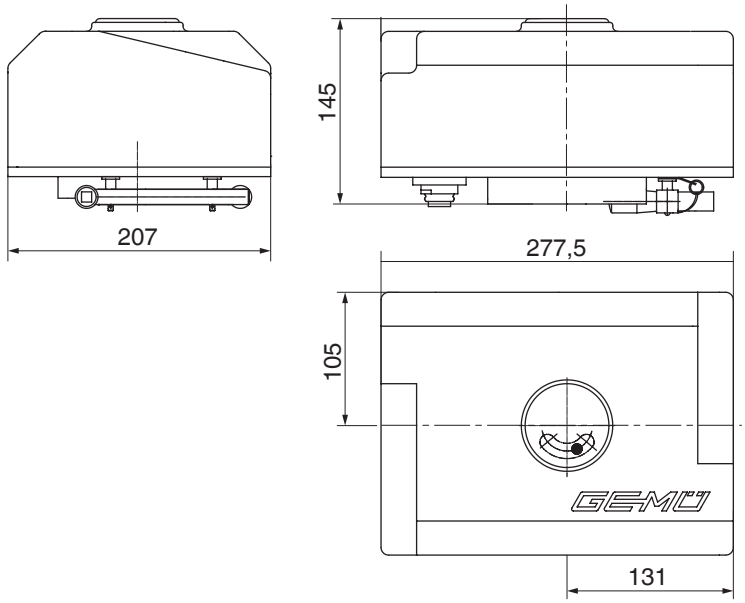
Dimensions in mm

Actuator version 2070



Dimensions in mm

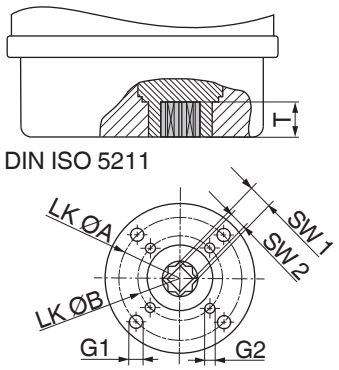
Actuator version 4100, 4200



Dimensions in mm

Connection dimensions actuator

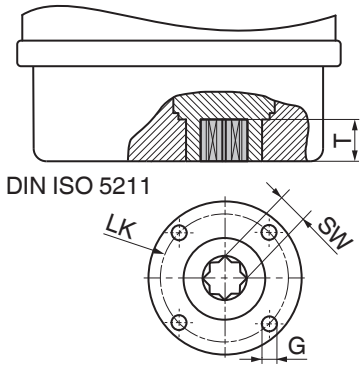
Connection dimensions



Actuator version code	Connection size code	With flange type	LK øA	LK øB	G1	G2	SW1	SW2*	SW3*	T
2070	**F07**	F05 / F07	70	50	M8	M6	17	14	11	19.5
4100	**F10**	F07 / F10	102	70	M10	M8	17	14	-	23.0
4200	**F10**	F07 / F10	102	70	M10	M8	22	17	-	23.0

Dimensions in mm

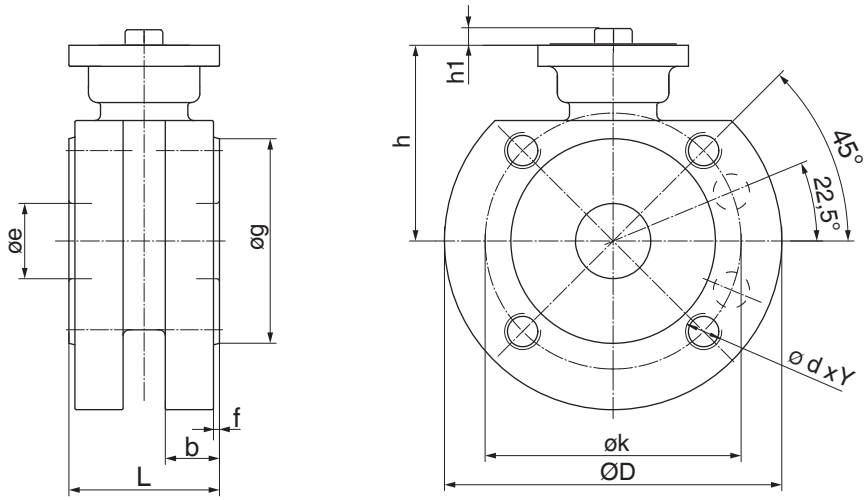
Connection dimensions actuator version (10XX, 20XX, 3035)

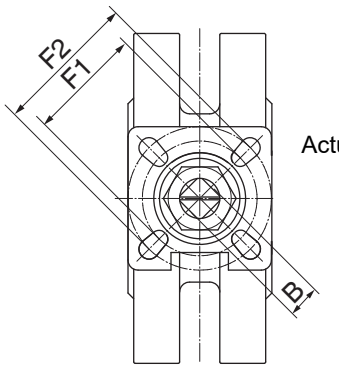


Actuator version (code)	Connection size (code)	Location spigot (code)	SW	G	LK	T
10XX / 20XX	G05	Y	S08	Ø5.5	48	15
10XX / 20XX	F03	N	S09	M5	36	16
10XX / 20XX	F04	N	S09	M5	42	16
10XX / 20XX	F05	N	S09	M6	50	16
10XX / 20XX	F05	N	S11	M6	50	16
3035	F05	Y	S14	M6	50	22

Dimensions in mm

Ball valve body





Actuator flange

DN	Actuator flange						ØD	L	Z	b	d	Øe	f	Øg	h	h1	Øk
	F1			F2		B											
15	F03	36	ø6x4	F04	ø6x4	9	81	41	4	16	M12	15	2	45	49	7	65
20	F03	36	ø6x4	F04	ø6x4	9	99	44	4	18	M12	20	2	58	54	8	75
25	F04	42	ø6x4	F05	ø7x4	11	115	50	4	18	M12	25	2	68	65	12	85
32	F04	42	ø6x4	F05	ø7x4	11	140	60	4	18	M16	32	2	78	77	11.3	100
40	F05	50	ø7x4	F07	ø9x4	14	150	65	4	18	M16	38	3	88	88.5	15.5	110
50	F05	50	ø7x4	F07	ø9x4	14	165	80	4	20	M16	50	3	102	93	16	125
65	F07	70	ø9x4	F10	ø11x4	17	185	110	4	22	M16	65	3	122	109.7	15.8	145
80	F07	70	ø9x4	F10	ø11x4	17	200	120	8	24	M16	80	3	138	119.5	16	160
100	F07	70	ø9 x 4	F10	ø11x4	17	220	150	8	24	M16	100	3	158	132.7	17.8	180

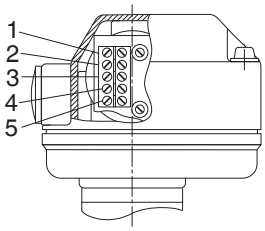
Electrical connection

Connection and wiring diagram – actuator version 1015, 2015, 3035

Control module A0/AE

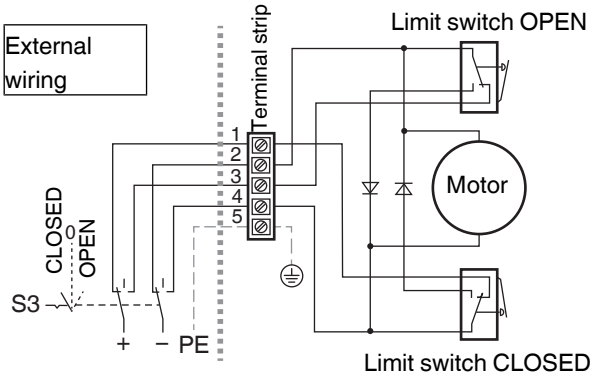
12 V DC (code B1) / 24 V DC (code C1)

Assignment of the terminal strips



Item	Description
1	Uv+, direction of travel CLOSED
2	Uv-, direction of travel CLOSED
3	Uv+, direction of travel OPEN
4	Uv-, direction of travel OPEN
5	PE, protective earth conductor

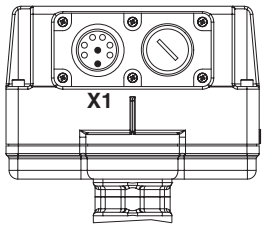
Connection diagram



S3	Actuator
CLOSED	Direction of travel CLOSED
0	OFF
OPEN	Direction of travel OPEN

100 - 250 V AC (code 04)

Position of the connectors



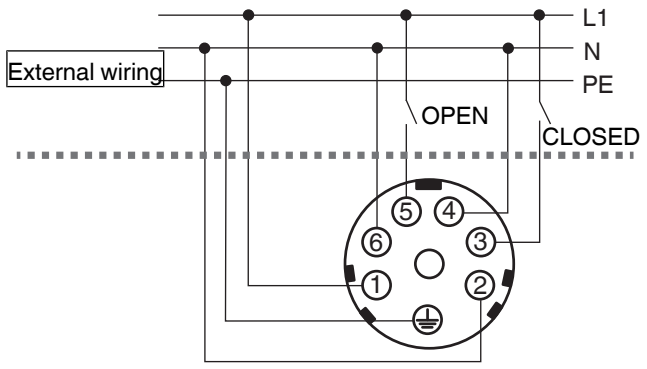
Electrical connection

Plug assignment X1

Pin	Description
1	L1, supply voltage
2	N, supply voltage
3	L1, direction of travel CLOSED
4	N, direction of travel CLOSED
5	L1, direction of travel OPEN
6	N, direction of travel OPEN
⏚	PE, protective earth conductor

The potential must be assigned by the user.

Connection diagram

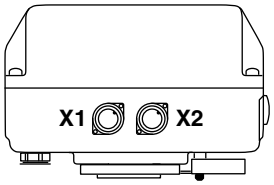


Connection and wiring diagram – actuator version 2070, 4100, 4200

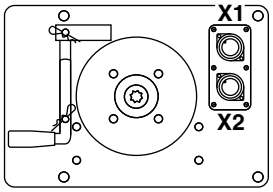
Control module A0

24 V DC (code C1), 120 V AC (code G4) and 230 V AC (code L4)

Position of the connectors



Actuator version 2070



Actuator version 4100, 4200

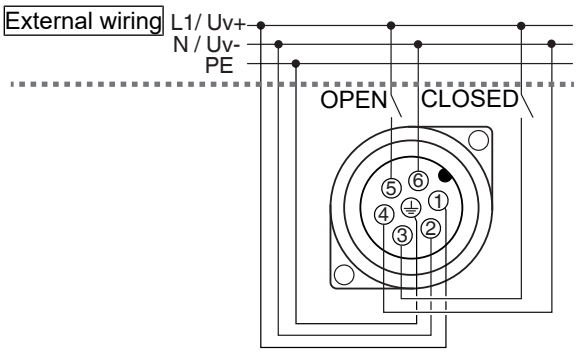
Electrical connection

Plug assignment X1

Pin	Description
1	L1 / Uv+, supply voltage
2	N / Uv-, supply voltage
3	L1 / Uv+, direction of travel CLOSED
4	N / Uv-, direction of travel CLOSED
5	L1 / Uv+, direction of travel OPEN
6	N / Uv-, direction of travel OPEN
⏚	PE, protective earth conductor

N/L- signals in the unit are separated.
The potential must be assigned by the user.
When the OPEN and CLOSED switches are operated simultaneously the actuator moves in the "CLOSED" direction.
Pins 2, 4 and 6 can be connected in the connector plug, so you can also use a 5-wire cable.

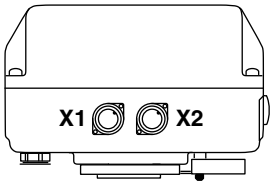
Connection diagram



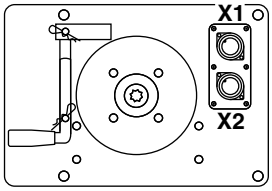
Control module AE

24 V DC (code C1), 120 V AC (code G4) and 230 V AC (code L4)

Position of the connectors



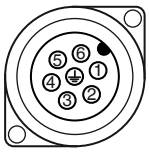
Actuator version 2070



Actuator version 4100, 4200

Electrical connection

Plug assignment X1



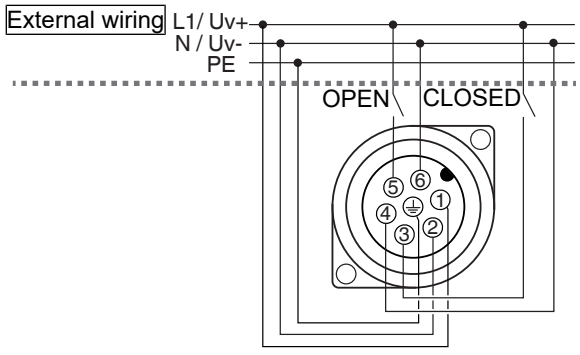
Plug assignment X2

Pin	Description
1	L1 / Uv+, supply voltage
2	N / Uv-, supply voltage
3	L1 / Uv+, direction of travel CLOSED
4	N / Uv-, direction of travel CLOSED
5	L1 / Uv+, direction of travel OPEN
6	N / Uv-, direction of travel OPEN
⏚	PE, protective earth conductor

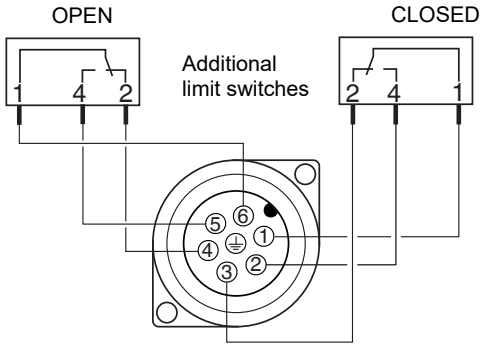
Pin	Description
1	Change-over contact limit switch CLOSED
2	Make contact limit switch CLOSED
3	Break contact limit switch CLOSED
4	Break contact limit switch OPEN
5	Make contact limit switch OPEN
6	Change-over contact limit switch OPEN
⏚	PE, protective earth conductor

N/L- signals in the unit are separated.
The potential must be assigned by the user.
When the OPEN and CLOSED switches are operated simultaneously the actuator moves in the "CLOSED" direction.
Pins 2, 4 and 6 can be connected in the connector plug, so you can also use a 5-wire cable.

Connection diagram



Connection assignment X1

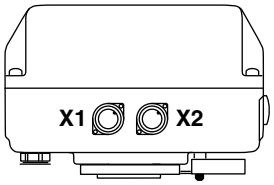


Connection assignment X2

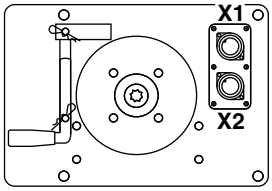
Control module AP

24 V DC (code C1), 120 V AC (code G4) and 230 V AC (code L4)

Position of the connectors



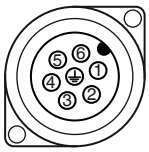
Actuator version 2070



Actuator version 4100, 4200

Electrical connection

Plug assignment X1



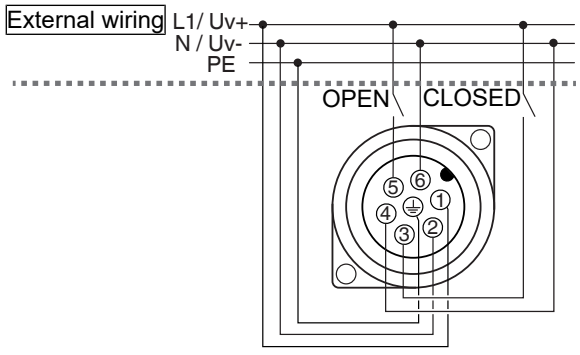
Plug assignment X2

Pin	Description
1	L1 / Uv+, supply voltage
2	N / Uv-, supply voltage
3	L1 / Uv+, direction of travel CLOSED
4	N / Uv-, direction of travel CLOSED
5	L1 / Uv+, direction of travel OPEN
6	N / Uv-, direction of travel OPEN
⏚	PE, protective earth conductor

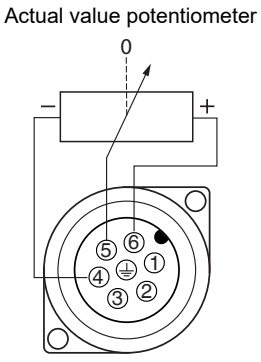
Pin	Description
1	n. c.
2	n. c.
3	n. c.
4	Us-, actual value potentiometer signal voltage minus
5	Us -, actual value potentiometer signal output
6	Us+, actual value potentiometer signal voltage plus
⏚	PE, protective earth conductor

N/L- signals in the unit are separated.
The potential must be assigned by the user.
When the OPEN and CLOSED switches are operated simultaneously the actuator moves in the "CLOSED" direction.
Pins 2, 4 and 6 can be connected in the connector plug, so you can also use a 5-wire cable.

Connection diagram



Connection assignment X1

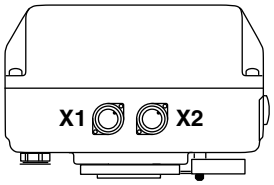


Connection assignment X2

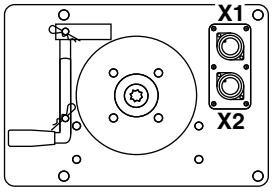
Control module E1

24 V DC (code C1), 120 V AC (code G4) and 230 V AC (code L4)

Position of the connectors

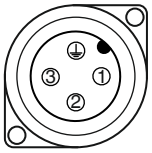


Actuator version 2070



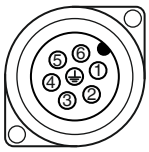
Actuator version 4100, 4200

Electrical connection



Plug assignment X1

Pin	Description
1	L1 / L+, supply voltage
2	N / L-, supply voltage
3	n. c.
⏚	PE, protective earth conductor

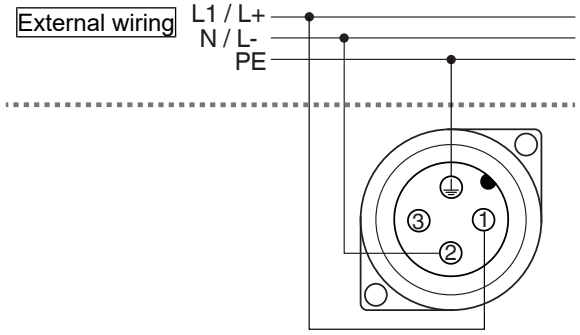


Plug assignment X2

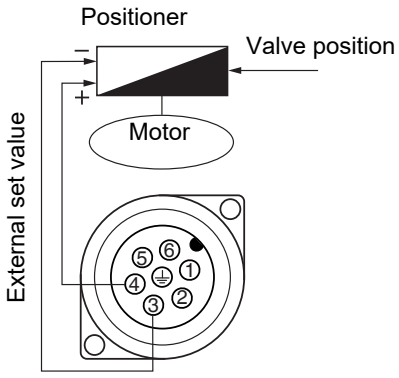
Pin	Description
1	n.a. (do not use)
2	n.a. (do not use)
3	U-, external set value 0-10V
4	U+, external set value 0-10V
5	n. c.
6	n. c.
⏚	PE, protective earth conductor

Set value and supply voltage must be galvanically isolated.
The potential must be assigned by the user.

Connection diagram



Connection assignment X1

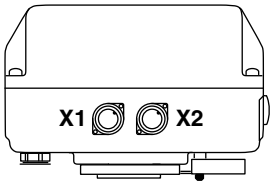


Connection assignment X2

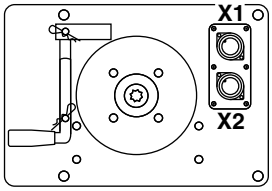
Control module E2

24 V DC (code C1), 24 V AC (code C4), 120 V AC (code G4) and 230 V AC (code L4)

Position of the connectors

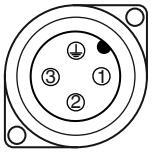


Actuator version 2070



Actuator version 4100, 4200

Electrical connection



Plug assignment X1

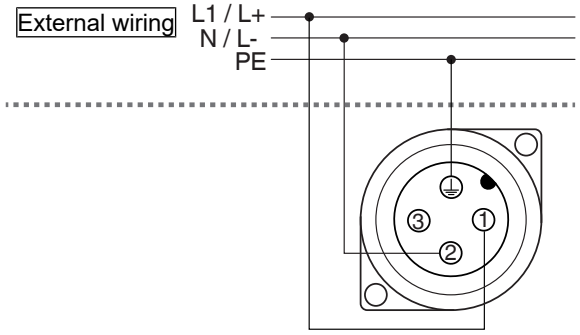
Pin	Description
1	L1 / L+, supply voltage
2	N / L-, supply voltage
3	n. c.
⏚	PE, protective earth conductor

Plug assignment X2

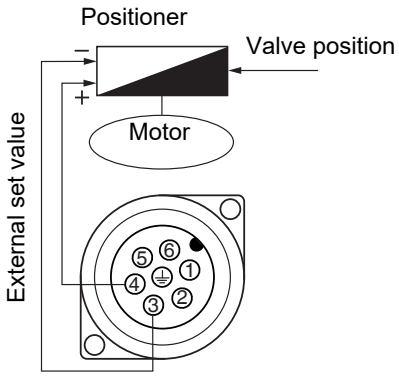
Pin	Description
1	n.a. (do not use)
2	n.a. (do not use)
3	I-, external set value 4-20mA
4	I+, external set value 4-20mA
5	n. c.
6	n. c.
⏚	PE, protective earth conductor

Set value and supply voltage must be galvanically isolated.
The potential must be assigned by the user.

Connection diagram



Connection assignment X1



Connection assignment X2

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