Electrical Position Feedback
for Process Valves Series 2000

Type 1062

Advantages / Benefits

- **Simple installation, convertible or retrofittable**
- **Self-adjusting trip cam for "closed" position**
- **Cable acess 360° rotable**
- **LEDs provide local operational status and position indication**
- **Compact IP65 enclosure**

Design

Positions are electrically signalized according to switch type:
- open,
- closed or
- open and closed.

LEDs provide optical position indication (except for Namur Ex-version).
Mechanical or inductive switches are housed in a compact splash-proof enclosure.
The position indicator can be rotated 360° and is easily fitted to the valve. Trip cams do not require adjustment. The unit only needs to be screwed on and connected to be ready for operation.

- Easily accessible elements and terminals
- No special tools required for installation and disassembly
- Mechanic switches with gold-silver contacts
- Inductive switches in 2- and 3-wire technology
- Cable access by PG-cable gland or plug connector
- Tag plate for system inscription

Applications

Pneumatically operated angle seat valves Type 2000 and 2001

Pneumatically operated diaphragm valves Type 2030 and 2031

bürkert
Easy Fluid Control Systems

Electrical Position Feedback
for Process Valves Series 2000

Type 1062

Technical Data

Operating Data

LED	green	valve open
	red	valve closed
	yellow	supply voltage "on" (protected against incorrect polarity)
Ambient temperature	-20 to +60 °C	
Rating	IP 65 to DIN 40 050	
Enclosure material	Polyamide with polycarbonate cover. (Polysulfon cover on request)	

Limit Switch

Mechanical Limit Switch (silver or gold contacts)

Electrical specification

at voltage	max. inductive load	max. load resistance
125 V ≈	8 A	8 A
250 V ≈	8 A	8 A
24 V =	5 A	5 A
30 V =	2 A	5 A
50 V =	0,7 A	1 A
74 V =	0,25 A	0,6 A
125 V =	0,03 A	0,4 A
250 V =	0,02 A	0,25 A

All switches have changeover function.

Inductive Limit Switch in 2-wire Technology

Nominal voltage range	10 to 30 V DC
Acceptable current load	≤ 100 mA
Current consumption	≤ 2 mA

Inductive Limit Switch in 3-wire Technology

Nominal voltage range	10 to 30 V DC
Current load	≤ 200 mA
Output resistance	4,7 kΩ
Current consumption	≤ 25 mA
Contact versions	PNP, NPN

Inductive Limit Switch to DIN 19 234 (NAMUR) Ex i

Nominal voltage	8 V DC	
Current consumption	damped	≤ 1 mA
	undamped	≥ 3 mA

Isolating barrier must be used.

Installation/Accessories

Installation	as required
Electrical connection	• PG 11 cable gland, internal: • screw terminals on PCB, • connector cross section up to 1,5 mm²

Electrical Position Feedback
for Process Valves Series 2000

Type 1062

Ordering Chart

With Mechanical Limit Switches

Actuator	Feedback of valve position (ch/over contact)	Item-No.			
		110V...250V AC/DC	12V...48V AC/DC	48V...110V AC/DC	12V...30V AC/DC
			Silver Contacts		Gold Contacts
50-80 mm	OPEN	005415K	007462U	420 770 J	420 476 C
	CLOSED	005409E	007461T	420 771 F	420 477 D
	OPEN/CLOSED	005416L	007463V	420 772 G	420 478 N
100-125 mm	OPEN	007459H	007465X	420 773 H	420 479 P
	CLOSED	007458G	007464W	420 774 A	420 480 D
	OPEN/CLOSED	007460E	007466Y	420 775 B	420 481 S

With Inductive Limit Switches:

Actuator	Feedback of valve position (ch/over contact)	Item-No.			
		10...30 VDC 2-wire	10...30 VDC 3-wire PNP	10...30 VDC 3-wire NPN	8 VDC, NAMUR Exi 2-wire
50-80 mm	OPEN	420 788 H	005 434 N	420 782 T	007 471 V
	CLOSED	420 789 A	005 422 J	420 783 U	007 470 G
	OPEN/CLOSED	420 790 F	005 461 Z	420 784 V	007 472 W
100-125 mm	OPEN	420 791 U	007 468 A	420 785 W	007 474 Y
	CLOSED	420 792 V	007 467 Z	420 786 X	007 473 X
	OPEN/CLOSED	420 793 W	007 469 B	420 787 Y	007 475 Z

Accessory

Specification tag	Item-No.	633 529 W

Easy to convert

Quick and easy conversion to other operating functions.

Easy to control

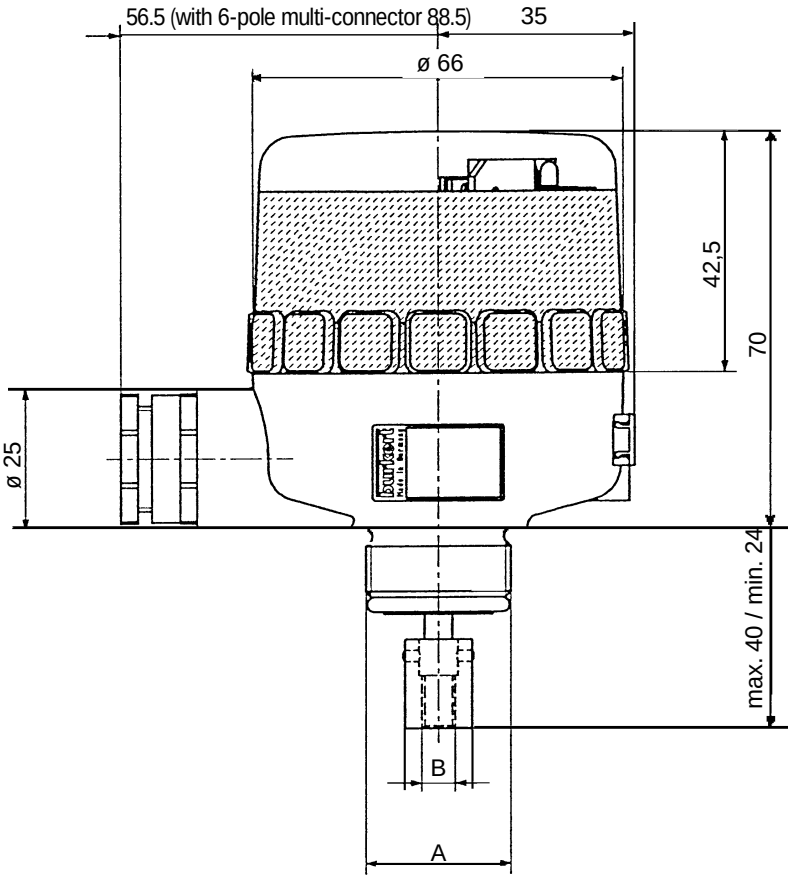
The electrical position feedback guarantees permanent process control.

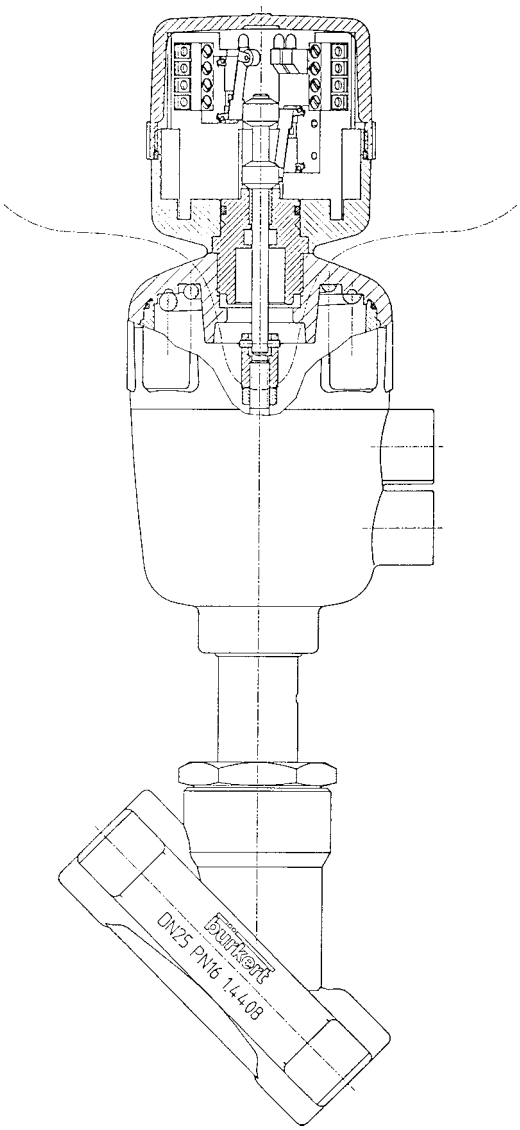
Electrical Position Feedback

for Process Valves Series 2000

Type 1062

Dimensions in mm





Actuator diameter	A	B
ø50, ø63, ø80	M26x1,5	M6
ø100, ø125	M36x2	M10