DATA SHEET

Type 8791

bürkert
FLUID CONTROL SYSTEMS

Digital electropneumatic Positioner SideControl

- Compact and robust design
- Easy to start using Tune function
- Integrated diagnostic functions for valve monitoring
- Dynamic positioning system with no air consumption in controlled state
- AS-Interface, IO-Link or Bürkert system bus (büS)

Product variants described in the data sheet may differ from the product presentation and description.

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Can be combined with

Control valve system
Diaphragm linear actuator

Control valve system
Rotary actuator

Control valve system
Rotary actuator with remote positioner

Control valve system
Control valve with remote positioner

Control valve system
Hygienic process control valve with remote positioner

Type description

The robust and compact positioner is designed to a standardisation acc. to IEC 65034-6-1 or VDI/VDE 3845 (IEC 60534-6-2) for assembly with linear and rotary actuators. In addition, the remote version with the displacement position sensor can be combined with Bürkert process control valves

The setpoint setting for the electro-pneumatic digital Positioner SideControl BASIC occurs using a standard signal 4...20 mA or by bus as an option. In addition there is a binary input and an optional analogue feedback available. The valve opening is signalled by a mechanical indicator element and the device status is shown on three coloured LEDs. All the operational elements are found in the housing.

The start-up happens automatically, and directly at the device the following functions can be activated through DIP switches:

- Close tight function
- Inversion of the operating direction of the setpoint signal
- Characteristic curves selection
- Switching between manual and automatic mode.

Additional possibilities on configuration and parameter setting, for example, linearisation of the operation characteristics by using communications software which allows customised programming.

The pilot valve system can be used equally for single and double-acting drives. It is characterised by a defined safety feature in case of failure of the electrical or pneumatic power supply and possesses an enormous air capacity range with pressure supply up to 7 bar.

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1. General technical data

1.1. Positioner SideControl Type 8791

Product properties	
Dimensions	Detailed information can be found in chapter "2. Dimensions" on page 7.
Material	
Body	Aluminium plastic-coated
Seals	EPDM, NBR, FKM
Operation	
Operating keys	2 keys
DIP switch	Integrated
Service interface	Connected to PC via USB connection
Configuration tool	Bürkert Communicator PACTware (only for device versions with AS-Interface)
Commissioning	
Initialization positioner	Automatic by X.TUNE function (automatic adjustment of the positioner)
Status display	
Optical position indicator (mechanical)	Integrated (for NAMUR version)
Communication	
Fieldbus	AS-Interface
Digital	IO-Link, Bürkert system bus (büS) - based on CANopen
Position sensor	
Integrated position sensor (NAMUR)	Conductive plastic rotary potentiometer
External remote position sensor	Linear or rotative
Measuring range for rotary actuators	Rotation angle 30°…150°
Stroke range for linear actuators	
Valve spindle	3…130 mm, depending on the lever of the attachment kit
Electrical data	
Operating voltage	24 V DC ± 10 %
Residual ripple	Max. 10 %
Protection class	III acc. to DIN EN 61140
Power consumption	< 3.5 W
Input/Output	
Digital input	1 binary input, 0…5 V = log "0", 10…30 V = log "1"
Analogue output	1 output (optional) 0/4…20 mA
Input data setpoint	
Setpoint signal	
Set-point value setting default	4…20 mA (0…20 mA adjustable via configuration software)
Input resistance	0/4…20 mA: 180 Ω
Electrical connection	
Multipole version	Screw terminals: M12, 4 pin resp. 8 pin acc. to device version (see connection description)
Cable gland version	2x M20 × 1.5 (cable-Ø6…12 mm) on screw terminals (0.14…1.5 mm^2)
Remote version	1x M12 × 1.5 (cable-Ø3…6.5 mm)
Pneumatic data	
Control medium	Neutral gases, air, quality class acc. to ISO 8573-1
Dust content	Class 7 (< 40 µm particle size)
Particle density	Class 5 (< 10 mg/m^3)
Pressure dew point	Class 3 (< -20 °C)
Oil content	Class X (< 25 mg/m^3)

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Air intake filter	Exchangeable
Mesh size	~0.1 mm
Supply pressure	1.4…7 bar[1.) 2.)]
Pilot air ports	Threaded port G ¼
Positioning system (control function and air capacity)	
Universal air capacity	
Single and double acting	50 l_N/min (at 1.4 bar[2.)]) for aeration and ventilation 150 l_N/min (at 6 bar[2.)]) for aeration and ventilation Q_{Nn}=100 l_N/min
Low air capacity	
Single-acting	Q_{Nn}=7 l_N/min (Q_{Nn} acc. to definition at pressure drop from 7 to 6 bar absolute)
Approvals and Certificates	
Conformity	EMC directive 2014/30/EU
UL	CAN/CSA-C22 2 no. 139 UL 429
CSA	Class 3221 82-VALVES - actuator - Cert. acc. to US Standards Class 3221 02-VALVES - actuator
ATEX	II 3G Ex ec ic IIC T4 Gc II 3D Ex tc IIIC T135 °C Dc Certificate: BVS 16 ATEX E 118 X
IECEx	Ex ec ic IIC T4 Gc Ex tc IIIC T135 °C Dc Certificate: IECEx BVS 16.0091 X
CCC (China Compulsory Certificate)	For devices with Ex approval
Environment and installation	
Installation and mechanical data	
Mounting variants	NAMUR acc. to IEC 60534-6-1 resp. VDI/VDE 3845 (IEC 60534-6-2), remote
Installation position	As required, display above or sideways
Valve actuator (type, size)	Rotary and linear actuators acc. to NAMUR, ELEMENT Type 2301, 2300 (Actuator size Ø70/90/130 mm) and CLASSIC (Actuator size Ø175/225 mm) in combination with remote version
Adapter kits	Detailed information can be found in chapter "6.4. Ordering chart Accessories" on page 23.
Operating conditions	
Ambient temperature (max.)	
With ATEX/IECEx approval	0…+60 °C
Without Ex approval	-10…+60 °C
Degree of protection	IP65/IP67 acc. to EN 60529, 4X acc. to NEMA 250 standard
Operating altitude	Up to 2000 m above sea level

1.) The supply pressure has to be 0.5…1 bar above the minimum required pilot pressure for the valve actuator.

2.) Pressure specifications: Overpressure with respect to atmospheric pressure

1.2. With fieldbus communication: AS-Interface

Product properties	
Profile	S-7.3.4 output: 16 bit setpoint/certificate no. 87301 acc. to version 3.0 S-7.A.5 output: 16 bit setpoint; input: 16 bit Feedback/certificate no. 95401 acc. to version 3.0
Electrical data	
Operating voltage	29.5…31.6 V DC
Via bus cable	Acc. to specification
Max. current consumption	150 mA (without external power supply)
Electrical connection	M12, 4 pin stainless steel plug assembled up to 80 cm, cable and flat cable
Watchdog function	Integrated

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1.3. With digital communication: IO-Link

Electrical data	
Electrical connection	M12 × 1, 5 pin, A-coded
IO-Link specification	V1.1.2
SIO-Mode	No
VendorID	0x0078, 120
DeviceID	See IODD file (The IODD file can be downloaded from our **website** ▶, see Software > Device Description Files A.04)
Transmission rate	230.4 kbit/s (COM 3)
Data storage	Yes
Max. cable length	20 m
Port class	B
Power supply	Over IO-Link
Operating voltage	18…30 V DC (acc. to specification)
System supply (Pin 1 + 3)	24 V DC ± 25 % (acc. to specification)
Actuator supply (Pin 2 + 5) galvanically isolated	24 V DC ± 25 % (acc. to specification)
Current consumption	
System supply (Pin 1 + 3)	Max. 50 mA
Actuator supply (Pin 2 + 5)	Max. 100 mA

1.4. With digital communication: Bürkert system bus (büS)

Electrical data	
Operating voltage	18…30 V DC (acc. to specification)
Electrical connection	M12 × 1, 5 pin, A-coded
Current consumption	Max. 150 mA

1.5. Linear remote position sensor (ELEMENT Type 8798)

Note:
When mounting the remote positioner away from the actuator, the length of the pneumatic control lines influences the dynamics and accuracy of the position control loop. The length of the control air lines should therefore be as short as possible.

Product properties	
Actual position signal	Digital (RS485)
Detection range of the sensor	3…45 mm (Stroke range Valve spindle)
Electrical data	
Operating voltage	24 V DC ± 10 %, UL: NEC Class 2
Protection class	III acc. to DIN EN 61140
Power consumption	< 0.3 W
Electrical connection	
Cable gland (cable length)	1x M16 × 1.5 (cable-Ø5…10 mm) on screw terminals (0.14…1.5 mm²)
Connection cable	10 m
Approvals and Certificates	
Degree of protection	IP65 and IP67 acc. to EN 60529, 4X acc. to NEMA 250 standard
Ignition protection	II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T135 °C Dc
Conformity	EMC directive 2014/30/EU
Approvals	cULus certificate no. 238179
CCC (China Compulsory Certificate)	For devices with Ex approval
Environment and installation	
Ambient temperature	-25…+80 °C

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1.6. Rotative remote position sensor (NAMUR)

Note:
When mounting the remote positioner away from the actuator, the length of the pneumatic control lines influences the dynamics and accuracy of the position control loop. The length of the control air lines should therefore be as short as possible.

Product properties	
Stroke range when mounted to linear actuators	3…130 mm, depending on the lever of the attachment kit
Actual position signal	Digital (RS485)
Measuring range	Rotation angle 30°…180°
Electrical data	
Operating voltage	10…30 V DC
Protection class	III acc. to DIN EN 61140
Power consumption	<0.8 W
Electrical connection	2 m round cable (shielded)
Approvals and Certificates	
Degree of protection	IP65 acc. to EN 60529
Conformity	EMC directive 2014/30/EU
Approvals	UL (cULus) certificate no. E226909
Environment and installation	
Ambient temperature	-25…+80 °C

1.7. Position feedback with proximity switches (accessories for retrofitting)

Note:
The position feedback has two proximity switches which are independently adjustable via switch lugs.

Product properties	
Output function	3-wire, normally open contact, PNP
Electrical data	
Electrical connection	M12, 4 pin
Operating voltage	10…30 V DC
Protection class	III acc. to DIN EN 61140
DC rated current	≤100 mA
Residual ripple	≤10 % U_{ss}
Approvals and Certificates	
Degree of protection	IP65 and IP67
Conformity	EMC directive 2014/30/EU

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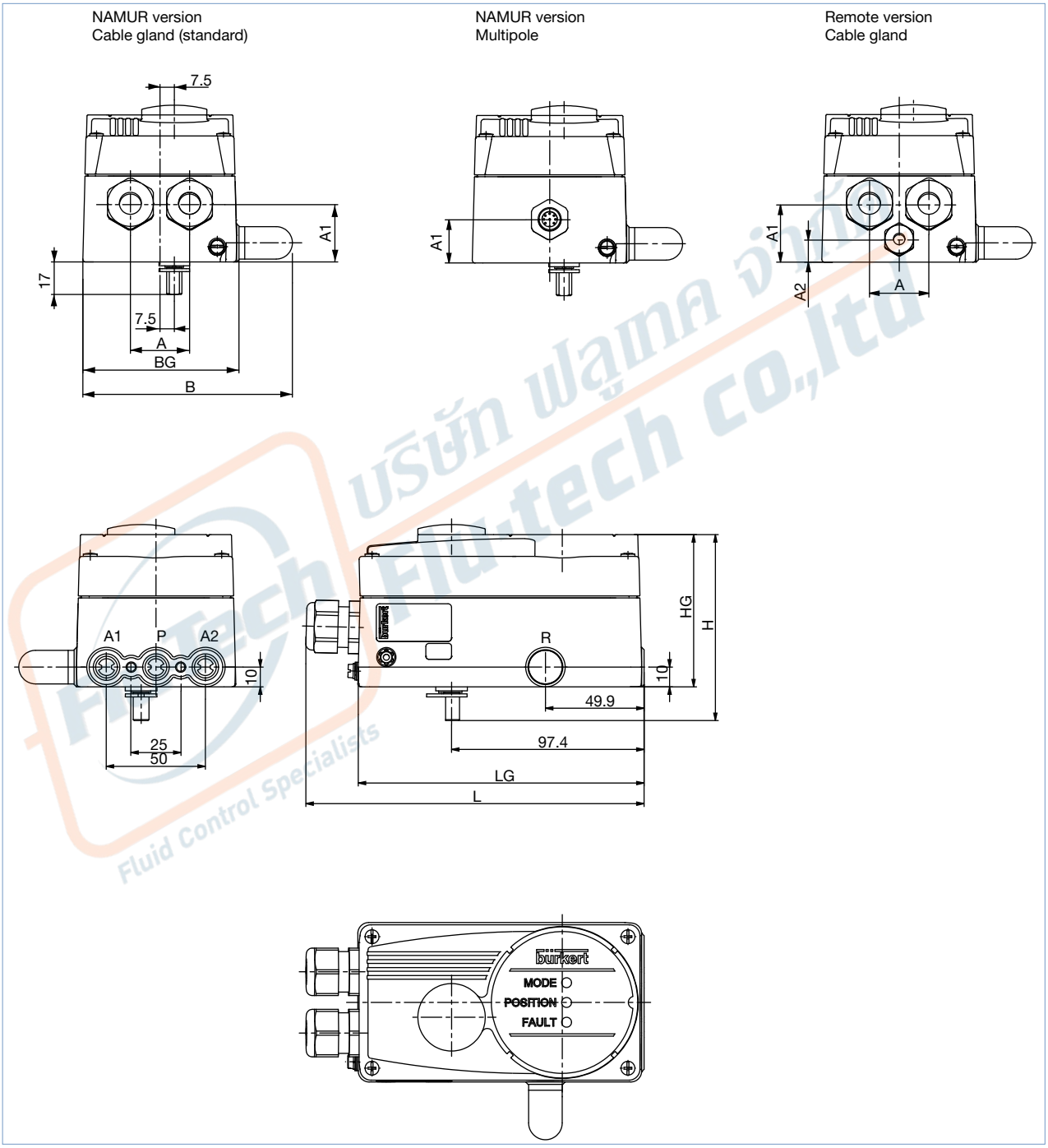
2. Dimensions

2.1. NAMUR/Remote Version

Note:
Dimensions in mm



Description	LG	L	BG	B	HG	H	A	A1	A2
Standard	144.6	171.1	81.8	109.8	77	94.1	31	30	–
Remote	144.6	171.1	81.8	109.8	77	94.1	31	30	11.5
Multipole	144.6	171.1	81.8	109.8	77	94.1	–	22.5	–
Remote IP20	144.6	171.1	81.8	109.8	67	–	31	30	11.5

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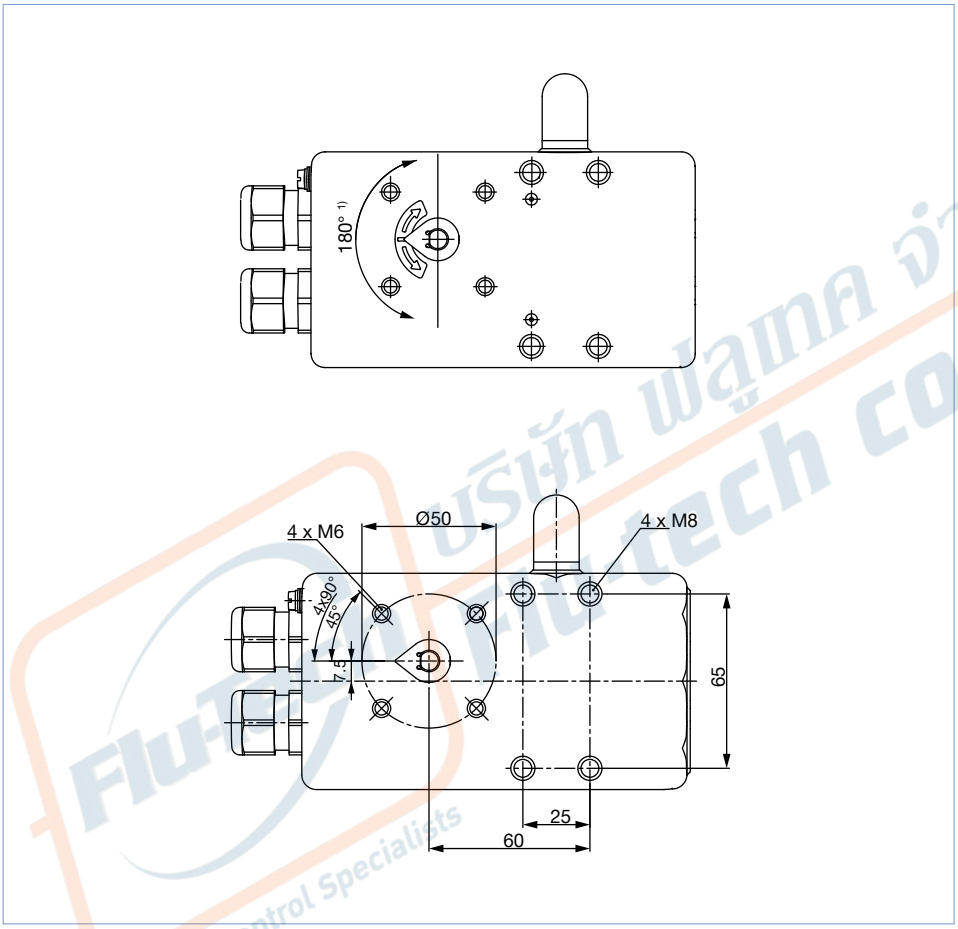
2.2. Mounting specification of NAMUR/Remote Version

Note:

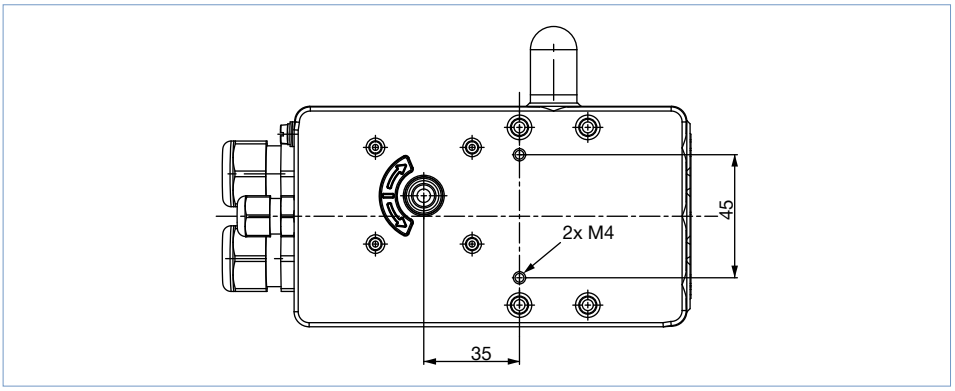
- The rotation angle of the sensor must be within a range of 180°[1.)].
- With the valve open approx. 50 %, the sensor indicator should be in this position.
- Dimensions in mm

NAMUR version



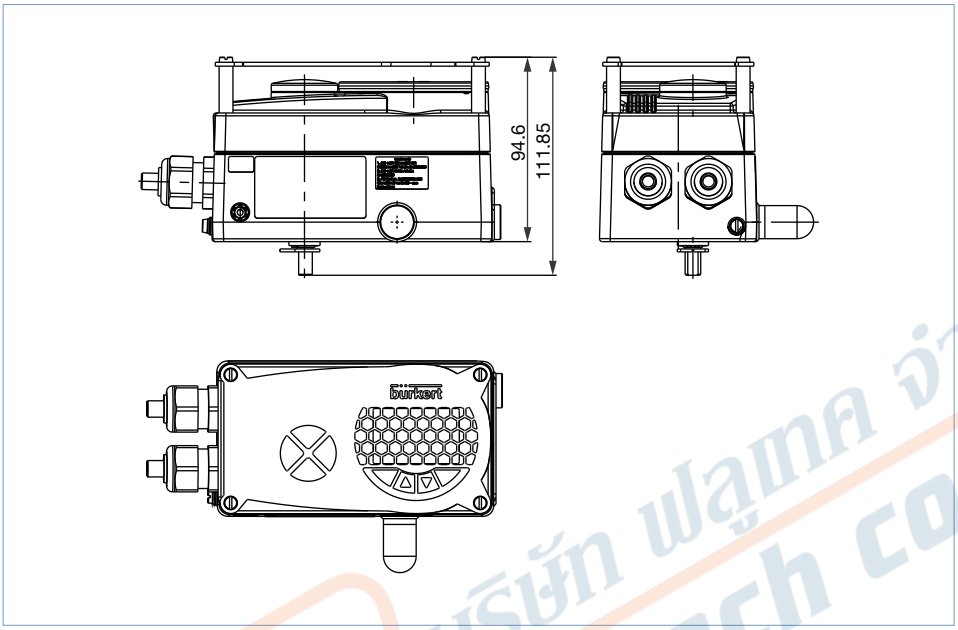
1.) For the EtherNet/IP, PROFINET, Modbus TCP and büS versions a max. of 180° is possible, for the other versions max. 150°.

Remote version



2.3. ATEX/IECEx version

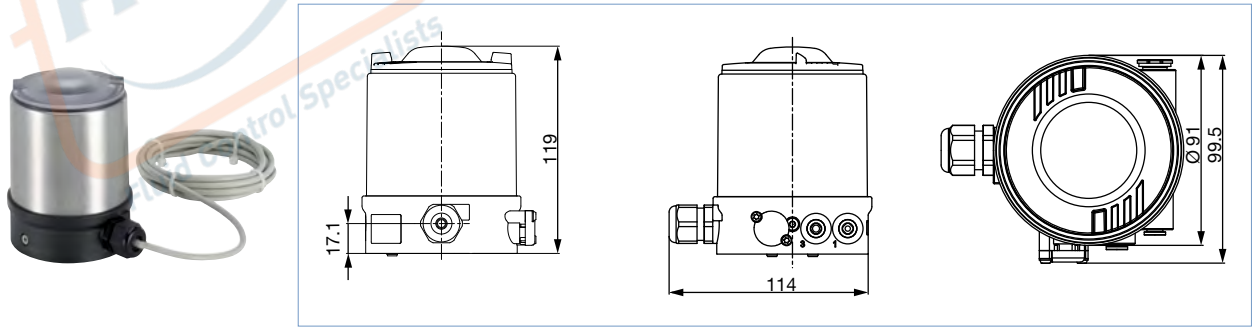
Note:
Dimensions in mm



2.4. Remote position sensor version

Note:
Dimensions in mm

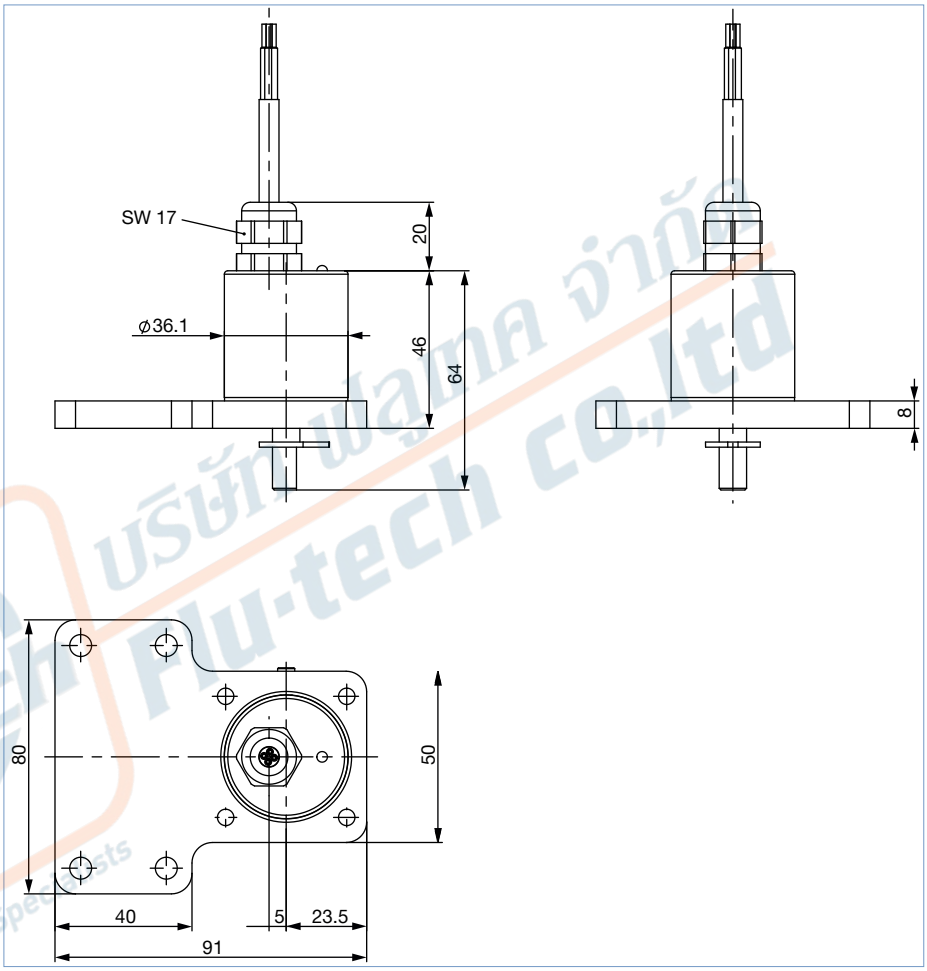
Linear position sensor, Type 8798, for valve position detection of Bürkert ELEMENT and hygienic process valves for the remote SideControl positioner .



2.5. Mounting on control valve acc. to NAMUR

Note:
Dimensions in mm

Rotative position sensor to detect rotary motion of rotary actuators acc. to NAMUR/IEC 60534-6-1 and VDI/VDE 3845 (IEC 60534-6-2) for the remote SideControl positioner.

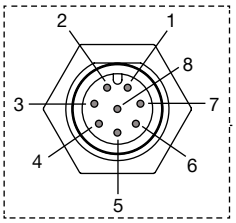


3. Device/Process connections

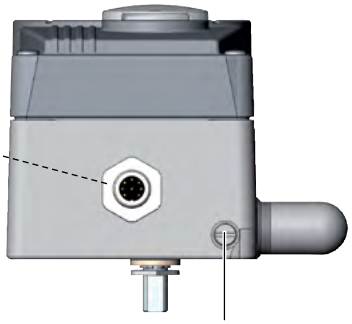
3.1. Electrical connections

Multipole connection

Operating voltage
and diverse signals



M12 circular plug , 8-pin

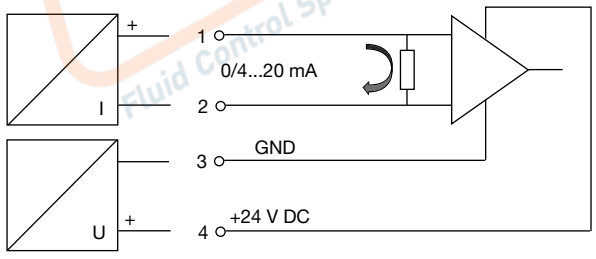
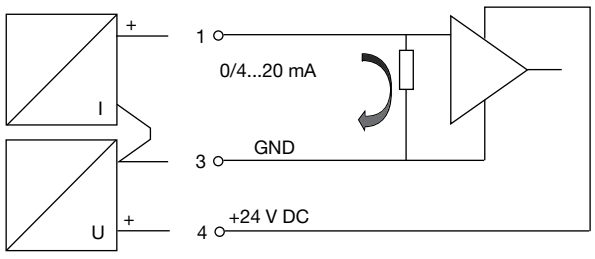


Earthing function

M12 circular plug , 8 pin (input signals of the control centre)

Pin	Wire colour[1.]	Pin assignment	Outer circuitry/Signal level		
1	White	Setpoint + (0/4…20 mA)	1		+ (0/4…20 mA)
2	Brown	Setpoint GND	2		GND (see connection table for 3-wire or 4-wire below)
5	Grey	Digital input	5		+  0…5 V (log. 0) 10…30 V (log. 1) Relative to pin 3 (GND)

Connection type 3-wire or 4-wire (setting via communication software)

Connection type 4-wire (factory setting)	Connection type 3-wire
The set-point value input is designed as a differential input, i.e. the GND lines of the set-point value input and the supply voltage are not identical. Note: If the GND signals of the set-point value input and the supply voltage are connected, the 3-wire connection type must be set in the software.	The set-point value input is related to the GND line of the supply voltage, i.e. setpoint input and supply voltage have a common GND line.
	

M12 circular plug , 8 pin (output signals to the control centre, only for analogue output variant)

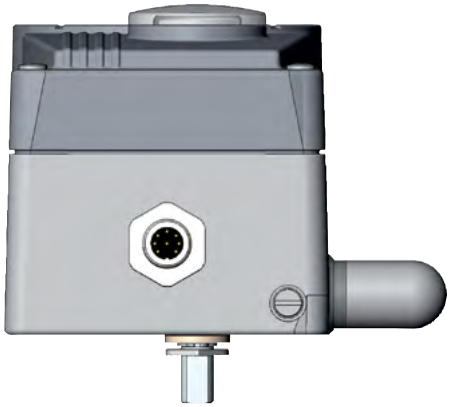
Option analogue feedback					
8	Red	Analogue feedback +	8		+ (0/4…20 mA)
7	Blue	Analogue feedback GND	7		GND (identical to GND operating voltage)

Pin assignment for operating voltage

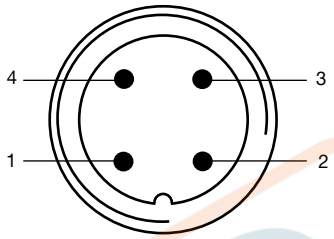
Pin	Wire colour[1.]	Pin assignment	Outer circuitry/Signal level		
3	Green	GND	3		24 V DC ±10 % Max. residual ripple 10 %
4	Yellow	+24 V	4		

1.) The indicated wire colours refer to the connection cable, part no. 919061, available as an accessory.

AS-Interface connection

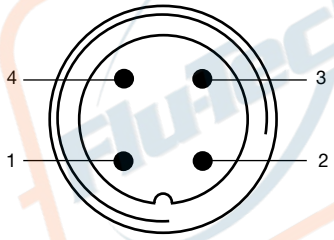


M12 circular plug, 4 pin, without external power supply



Pin	Description	Pin assignment
1	Bus +	Bus cable AS-Interface +
2	NC	Not assigned
3	Bus –	Bus cable AS-Interface –
4	NC	Not assigned

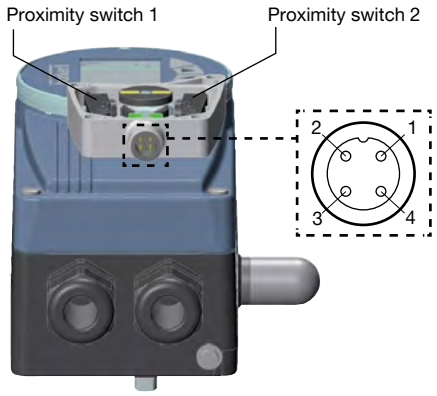
M12 circular plug, 4 pin, with external power supply (on request)



Pin	Description	Pin assignment
1	Bus +	Bus cable AS-Interface +
2	GND	External power supply
3	Bus –	Bus cable AS-Interface –
4	24 V +	External power supply

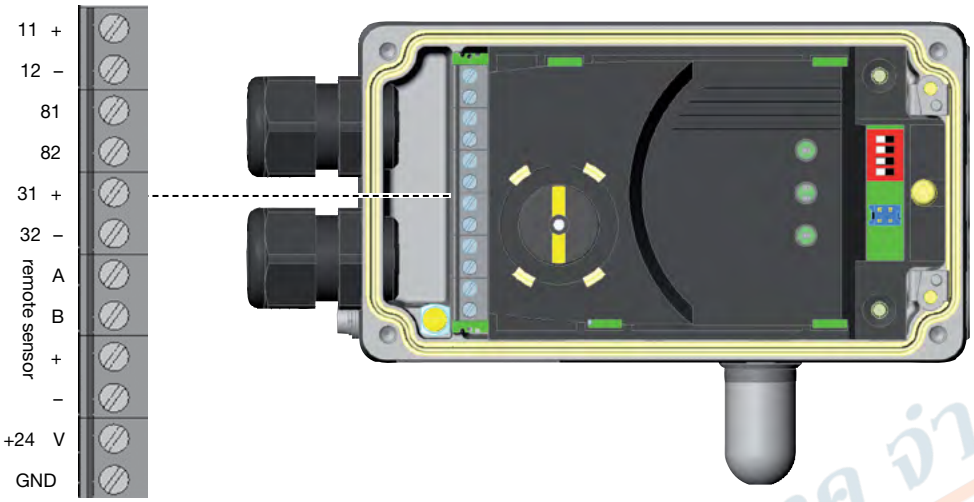
Electrical connection Position feedback with proximity switches

Note:
Accessories for upgrading



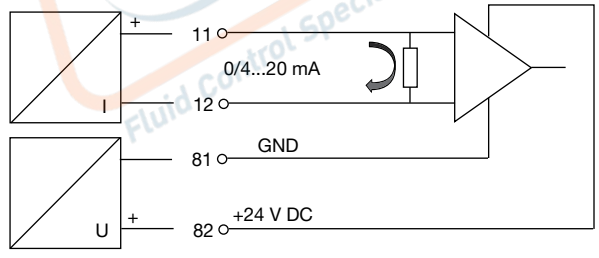
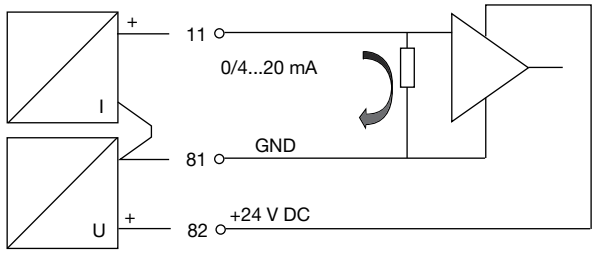
No.	Pin assignment	Outer circuitry/Signal level		
1	Supply 10…30 V	+10…30 V	—●	110…30 V
2	Switching output (NO) proximity switches 1	+10…30 V	—/●	2 open/10…30 V
3	GND	GND	—●	3 GND
4	Switching output (NO) proximity switches 2	+10…30 V	—/●	4 open/10…30 V

Cable gland



Terminal	Pin assignment	Outer circuitry/Signal level		
11 +	Setpoint +	11 +		+ (0/4…20 mA)
12 –	Setpoint GND	12 –		GND (see connection table for 3-wire or 4-wire below)
81 +	Binary input +	81 +		+ 0…5 V (log. 0) 10…30 V (log. 1)
82 –	Binary input –	82 –		GND (identical to GND operating voltage)

Connection type 3-wire or 4-wire (setting via communication software)

Connection type 4-wire (factory setting)	Connection type 3-wire
The set-point value input is designed as a differential input, i.e. the GND lines of the set-point value input and the supply voltage are not identical. Note: If the GND signals of the set-point value input and the supply voltage are connected, the 3-wire connection type must be set in the software.	The set-point value input is related to the GND line of the supply voltage, i.e. setpoint input and supply voltage have a common GND line
	

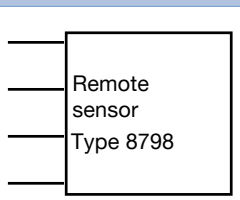
Option analogue feedback

Terminal	Pin assignment	Outer circuitry/Signal level		
31 +	Analogue feedback +	31 +		+ (0/4…20 mA)
32 –	Analogue feedback GND	32 –		GND (identical to GND operating voltage)

Terminal assignment for operating voltage

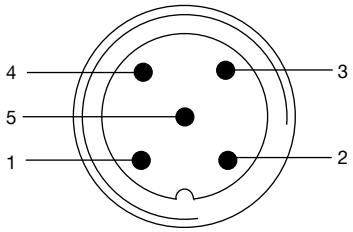
Terminal	Pin assignment	Outer circuitry/Signal level		
+24 V	Operating voltage +	+24 V		24 V DC ±10 %
GND	Operating voltage GND	GND		Max. residual ripple 10 %

Remote version option in conjunction with remote position sensor Type 8798

Terminal		Pin assignment	Outer circuitry/Signal level			
Position sensor Remote	S +	Sensor supply +	S +	—o——	+	
	S -	Sensor supply –	S -	—o——	–	
	A	Serial interface, A-line	A	—o——	A-line	
	B	Serial interface, B-line	B	—o——	B-line	

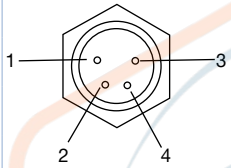
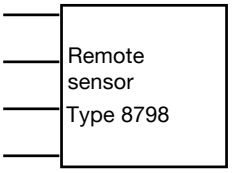
IO-Link connection

M12 circular plug, 5 pin, Port Class B



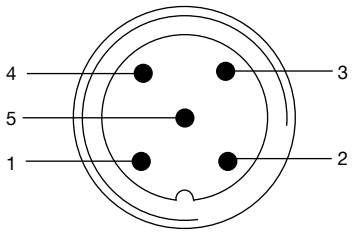
Pin	Description	Pin assignment	
1	L +	24 V DC	System supply
2	P24	24 V DC	Actuator supply
3	L -	0 V (GND)	System supply
4	Q/C	IO-Link	–
5	M24	0 V (GND)	Actuator supply

Connection of digital remote position sensor Type 8798 - M8 socket, 4 pin (optional)

Circular plug	Pin	Pin assignment	Outer circuitry/Signal level			
	**1**	Sensor supply +	S +	—o——	+	
	2	Sensor supply –	S -	—o——	–	
	3	Serial interface, A-line	A	—o——	A-line	
	4	Serial interface, B-line	B	—o——	B-line	

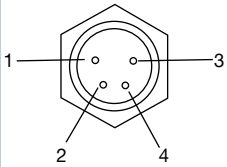
Bürkert system bus (büS) connection

M12 circular plug, 5 pin



Pin	Description	Cable colour
1	CAN Shield/Shielding	CAN Shield/Shield-ing
2	+24 V DC ±25 %, max. residual ripple 10 %	Red
3	GND/CAN_GND	Black
4	CAN_H	White
5	CAN_L	Blue

Connection of digital remote position sensor Type 8798 - M8 socket, 4 pin (optional)

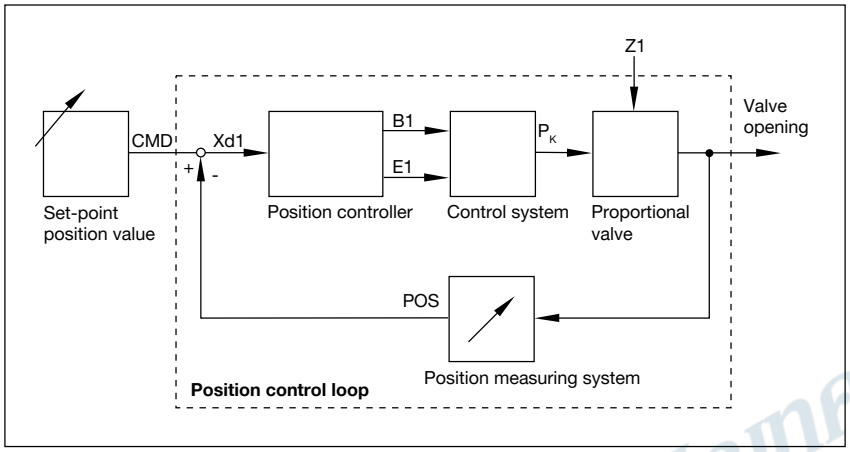
Circular plug	Pin	Pin assignment	Outer circuitry/Signal level		
	1	Sensor supply +	S +		+
	2	Sensor supply –	S -		–
	3	Serial interface, A-line	A		A-line
	4	Serial interface, B-line	B		B-line

Positioner terminal	Wire colour Remote sensor with cable type 1	Wire colour Remote sensor with cable type 2
S +	Brown	Brown
S –	White	Black
A	Green	Red
B	Yellow	Orange

4. Performance specifications

4.1. Signal flow diagram

Position control loop



Additional software options of the process controller SideControl Type 8791 (extract)

SideControl BASIC functions

- Automatic commissioning of the control system
- Binary input (safety position)
- Analogue position feedback (optional)

DIP-Switch activated device

- Close tight function
- Inversion of the operating direction of the setpoint signal
- Linear characteristic curves selection or customised programming (software interface)
- Manual and automatic operation

Communications software with activatable and parameter driven functions

- Customised programming transmission characteristics
- Choices of setpoint signal
- Range splitting setpoint signal
- Limitation of valve stroke
- Limitation of operation speed
- Definition of the safety position
- Signal failure detection

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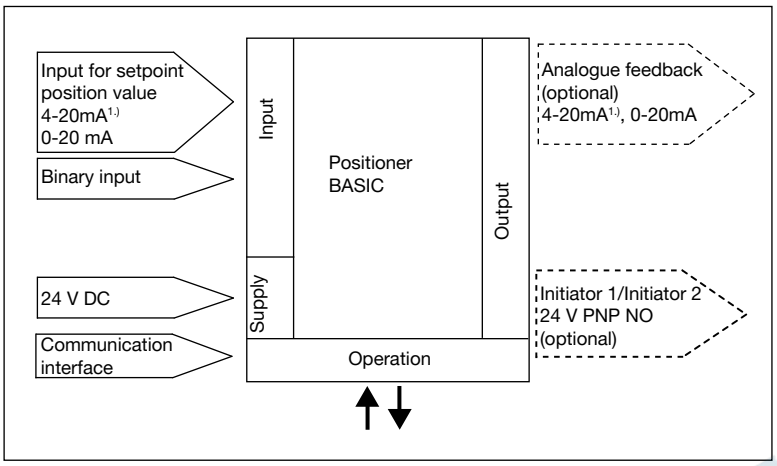
4.2. Interface diagram

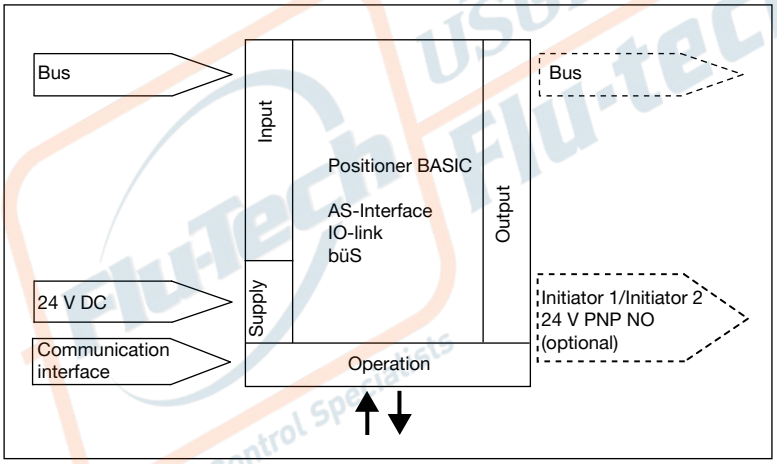
Analogue version without fieldbus interface



1.) Default setting

Version with fieldbus interface

AS-Interface, IO-Link and Bürkert system bus (büS)



5. Product installation

5.1. Mounting options

NAMUR version

Note:
Positioner with integrated position sensor, mounting acc. to NAMUR/IEC 60534-6-1 and VDI/VDE 3845 (IEC 60534-6-2)

The NAMUR version of the SideControl positioner is equipped with an integrated position sensor (linear or rotary). It has a standardized interface for direct attachment to linear actuators acc. to NAMUR/IEC 60534-6-1 and VDI/VDE 3845 (IEC 605334-6-2).

Linear actuators

See **operating manual** ▶

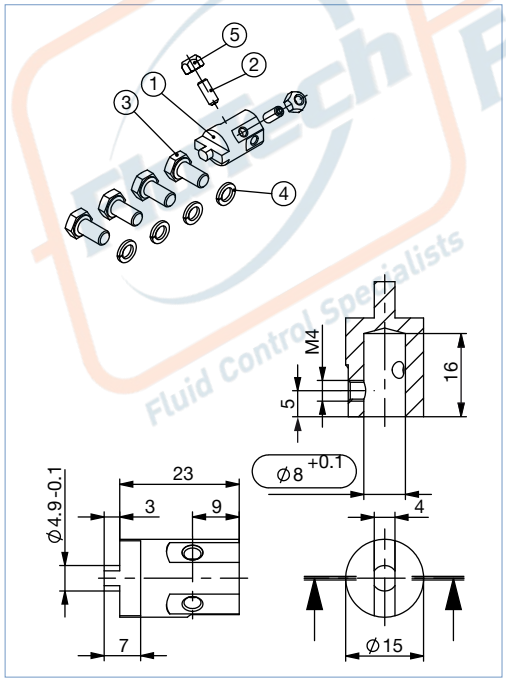
Description	Article no.
Adapter kit	787215

Rotary actuators

See **operating manual** ▶

Description	Article no.
Adapter kit	787338
Mounting bridge	770294

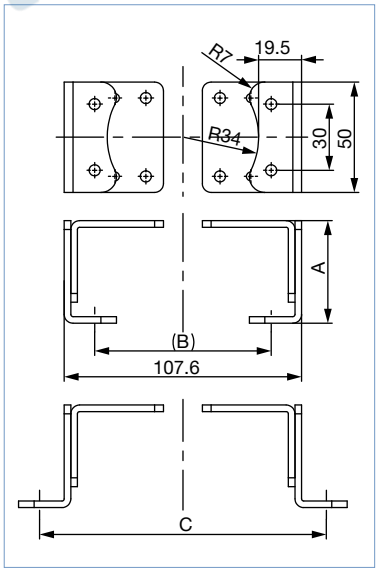
Attachment kit for rotary actuators



Actuator shaft height	A	B	C
[mm]	[mm]	[mm]	[mm]
20	46.5	80	–
30	56.5	80	130
50	76.5	–	130

Description	Article no.
Attachment kit for rotary actuators	787338

Mounting bridge for rotary actuator



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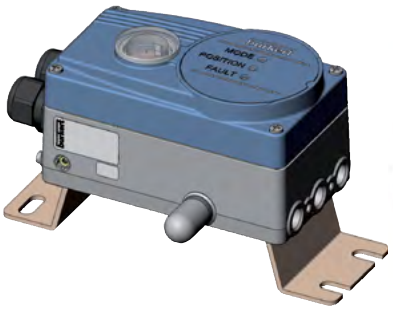
Remote version

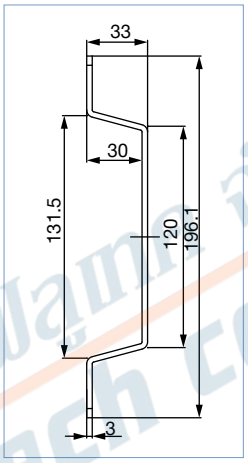
Note:

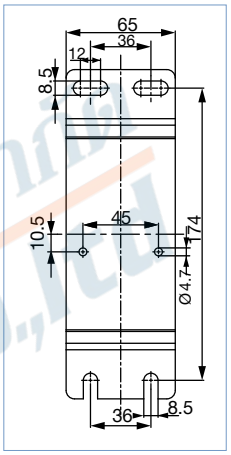
- Dimensions in mm
- 2 mounting options

The remote version of the SideControl positioner is used to control process control valves in combination with a remote position sensor. The remote position sensor is mounted directly on the valve to detect the valve position. The remote positioner can be mounted on the wall or on a DIN rail in a control cabinet.

Wall mounting with assembly brackets





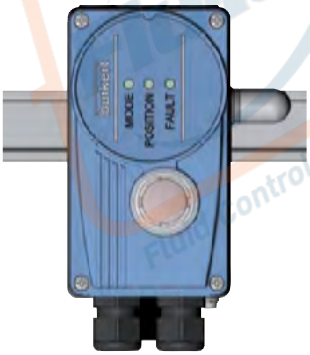


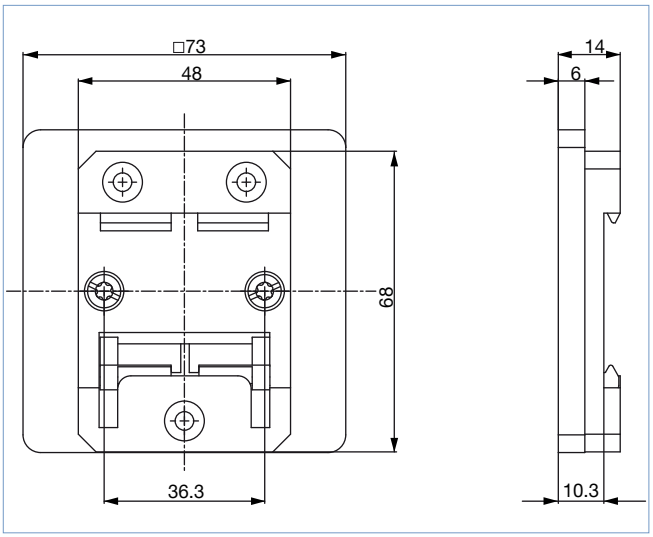
Description	Article no.
Brackets for wall mounting	675715

Mounting on DIN-rail

Note:

- The adapter can be turned by 90° on the DIN rail.
- Dimensions in mm





Description	Article no.
Holder for DIN rail mounting	675702

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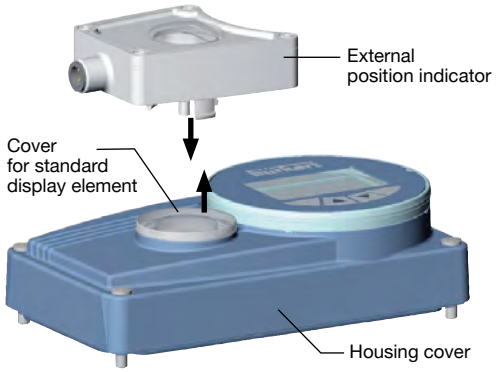
Position feedback with proximity switches

Note:
Upgrade feature for SideControl NAMUR



Connecting external position indicator

Description	Article no.
Position feedback	677218

5.2. Combination possibilities with pneumatic process valves

Note:
Detailed ordering information can be found in the chapter "6. Ordering information" on page 21.

Positioner SideControl 8791 BASIC	8791 NAMUR	8791 Remote	8791 Remote
			
Remote IP20[1.] 	**Linear actuators IEC 60534-6-1** **Rotary actuators VDI/VDE 3845 (IEC 60534-6-2)**	**Linear actuators IEC 60534-6-1** **Rotary actuators VDI/VDE 3845 (IEC 60534-6-2)**	**Control valve system**
	Type 8805 ▸ Ball valve/Butterfly valve with pneumatic rotary actuator	**Type 8798** ▸ Remote sensor for pneumatically actuated process valves	**Type 2300** ▸ Pneumatically actuated 2-way angle seat control valve ELEMENT + **Type 8798** ▸ Remote sensor for pneumatically actuated process valves

1.) Remote IP20 version exclusively for cabinet mounting

6. Ordering information

6.1. Bürkert eShop – Easy ordering and quick delivery

Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

Order online now

6.2. Bürkert product filter

Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

Try out our product filter

6.3. Ordering chart

Positioner SideControl Type 8791 NAMUR version

Note:

- Mounting according to NAMUR IEC 60534-6-1 resp. VDI/VDE 3845 (IEC 60534-6-2)
- ATEX/IECEx for IO-Link and büS in preparation

Control function	Pilot valve system/ Air capacity	Communication	Electrical connection	Feedback signal	Binary input	ATEX II 3GD/ IECEx, CCC[1.)]	Article no.
Single and double-acting	Universal	Without	Cable gland	–	Yes	–	323214
				Analogue	Yes	–	323217
				–	Yes	Yes	391979
				Analogue	Yes	Yes	391981
			Multipole	–	Yes	–	323213
				Analogue	Yes	–	323216
		AS-Interface		Digital	–	–	239617
				Digital	–	Yes	310305
		IO-Link		Digital	–	–	323207
		Bürkert system bus (büS)		Digital	–	–	323210

1.) CCC (China Compulsory Certificate) for device versions with Ex approval.

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Positioner SideControl BASIC Type 8791 Remote-Version

Note:
ATEX/IECEx for IO-Link and büS in preparation

Assembly variations	Actuator size ELEMENT	Control function	Pilot valve system/ Air capacity	Communi-cation	Electrical connec-tion	Feed-back signal	Binary input	ATEX II 3GD/ IECEx CCC[1.]	Article no.
Remote	Ø70/90 mm	Single-acting	Low	Without	Cable gland	–	Yes	–	323220
						Analogue	Yes	–	323225
	Ø130 mm	Single and double-acting	Universal			–	Yes	–	323219
						Analogue	Yes	–	323224
	Ø70/90 mm	Single-acting	Low	IO-Link	Multipole	Digital	–	–	On request
	Ø130 mm	Single and double-acting	Universal			Digital	–	–	On request
	Ø70/90 mm	Single-acting	Low	Bürkert system bus (büS)		Digital	–	–	323212
	Ø130 mm	Single and double-acting	Universal			Digital	–	–	323211
Remote IP20	Ø70/90 mm	Single-acting	Low	Without	Cable gland	–	Yes	–	On request
						Analogue	Yes	–	On request
	Ø130 mm	Single and double-acting	Universal			–	Yes	–	On request
						Analogue	Yes	–	On request

1.) CCC (China Compulsory Certificate) for device versions with Ex approval.

Remote position sensor for remote version of SideControl Type 8793

Product	Mounting version	Electrical connection	cULus	ATEX II 3 GD/IECEx CCC[1.]	Article no.
Mounting on control valves					
Type 8798 	Control valve Type 23xx	Cable gland - 10 m round cable	Yes	–	212360
		Cable gland - 10 m round cable	–	Yes	226860
NAMUR mounting					
	NAMUR (rotative)	Cable gland - 2 m round cable (extendable to 10 m max.)	Yes	–	211536

1.) CCC (China Compulsory Certificate) for device versions with Ex approval.

Further versions on request

Approval
Remote sensor ATEX Cat. 3

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6.4. Ordering chart Accessories

Standard Accessories

Note:
The corresponding communication software can be downloaded from www.burkert.com, see **Type 8791** ▶.

Description	Article no.
M12 socket, 8 pin with 5 m cable for power supply and input/output signals	919267
M8 plug, 4 pin for binary outputs, with solder joints	917131
USB büS interface set (büS stick + connection cable to M12 plug + connection cable M12 to micro USB for the büS service interface) for connection to Bürkert Communicator PC tool (for all device versions except AS-Interface)	772551
büS cable extension M12, length 1 m	772404
büS cable extension M12, length 3 m	772405
büS cable extension M12, length 5 m	772406
büS cable extension M12, length 10 m	772407
Silencer G ¼" (replacement part)	780780
USB interface for serial communication (only for device versions with AS-Interface)	227093
Software Bürkert Communicator	**LINK** ▶

Accessories SideControl BASIC NAMUR

Note:
Detailed information can be found in chapter "5. Product installation" on page 18.

Description	Article no.
Mounting bridge VDI/VDE 3845 (IEC 60534-6-2) VA	770294
Adapter kit VDI/VDE 3845 (IEC 60534-6-2) VA	787338
Adapter kit for linear actuators IEC 60534-6-1 VA	787215
Position feedback with proximity switches (optional upgrade feature)[1.)]	677218

1.) External end position feedback for upgrading SideControl NAMUR

Accessories SideControl BASIC Remote

Description	Article no.
Bracket for wall mounting, stainless steel, see "5. Product installation" on page 18	675715
DIN rail assembly kit Aluminium/stainless steel, see "5. Product installation" on page 18	675702
Adapter kit - remote sensor, control valves Type 23xx Actuator size Ø70/90/130 mm	679917
Adapter kit - remote sensor, control valves Type 27xx Actuator size Ø175/225 mm	679945
Sensor Puck (replacement part)	682240

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