bürkert
FLUID CONTROL SYSTEMS

Digital electropneumatic process controller for integrated mounting on process control valves

- Compact and robust stainless steel design
- Easy start-up via Tune function for position and process controller
- Contact-free position sensor
- Integrated pilot air duct with spring chamber aeration
- PROFIBUS DP-V1, EtherNet/IP, PROFINET, Modbus TCP or büS (Bürkert system bus)

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

Can be combined with

Type 2301
Pneumatically operated 2-way Globe Control Valve

Type 2300
Pneumatically operated 2-way angle seat control valve ELEMENT

Type 2103
2/2-way diaphragm valve with pneumatic stainless steel actuator (Type ELEMENT) for decentralised automation

Type 8202
pH or oxidation-reduction potential (ORP) transmitter, ELEMENT design

Type 8045
Electromagnetic Insertion flowmeter

Type 8619
multiCELL – multi-channel/ multi-function transmitter/ controller

Type 8228
Inductive conductivity meter, ELEMENT Design

Type description

The compact process controller device Type 8693 is optimised for integrated mounting on the pneumatic actuators in the Type 23xx/2103 process valve series and is specially designed for the requirements of a hygienic process environment. The actual value of the process factor is directly supplied to the device as 4 - 20 mA, PT100 or a frequency signal. The process controller calculates the set-point for the subordinated positioner based on the variance comparison. Via the analogue feedback, all analogue values on the control levels can be transferred.

The integrated diagnostic functions are used to monitor control valve operating conditions. Valve diagnostic messages via status signals are issued in accordance with NE107 (NAMUR) and recorded as historical entries. The parameterisation of process controller and positioner can be carried out automatically. The easy operation and the selection of additional software functions are carried out either via the large graphic display with backlight and keypad or via COMMUNICATOR.

The positioner registers the valve position without deterioration via a contact-free, analogue position sensor. The actuation of single or double-acting actuators is carried out without internal air consumption. Communication interfaces such as PROFIBUS DP-V1, EtherNet/IP, PROFINET, Modbus TCP, büS (based on CANopen) and analogue as well as digital feedback are optionally available.

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1. General technical data

Product properties	
Dimensions	Further information can be found in chapter "4. Dimensions" on page 7.
Material	
Body	PPS, stainless steel
Seal	EPDM
Cover	PC
Operation	
Display	Graphic display with backlight and intuitive menu navigation
Operating keys	Membrane keypad with 4 keys
Service interface	Connection to PC via USB büS interface set
Configuration tool	Bürkert Communicator PACTware (only for device variants with PROFIBUS or analogue variant with serial interface)
Commissioning	
Initialisation of positioner/process controller	Automatically by P.TUNE function (self-optimisation of PID parameter)
Manual operation of pilot valve	In manual mode via push-button on control panel
Status display	
Display of the device and valve status	LEDs (colours according to NAMUR), only valid for Ethernet and büS variants
Communication	
Fieldbus	EtherNet/IP, PROFINET, Modbus TCP, PROFIBUS DP-V1
Digital	Bürkert system bus (büS) (based on CANopen)
Performance data	
Position sensor	
Measurement principle	Linear: inductive Rotary: magnetic
Position detection module	Contactless analogue position sensor (wear-free)
Stroke range	
Valve spindle	Linear: 3...45 mm Rotary: 30...180°
Electrical data	
Operating voltage	24 V DC ± 10 % UL: NEC Class 2
Residual ripple	10 %, no technical DC voltage
Power consumption	≤ 5 W
Protection class	III according to DIN EN 61140 (VDE 0140 - 1)
Input/output	
Digital input	1 digital input, 0...5 V = log „0", 10...30 V = log „1"
Digital output	2 digital outputs (optional), galvanically isolated
Current limit per digital output	100 mA, in case of overload, the output is switched off and cyclically switched on again to check for still existing overload.
Analogue output	1 output (optional) 0/4...20 mA, 0...5/10 V
Set-point and actual value input data	
Set-point signal	
Set-point value setting default	0/4...20 mA 0...5/10 V
Input resistance	0/4...20 mA, 180 Ω 0...5/10 V, 19 kΩ
Set-point signal	
4...20 mA setting	180 Ω input resistance
Frequency setting	17 kΩ input resistance, 0...1000 Hz
Pt 100 setting	- 20...+ 220 °C, resolution < 0.1 °C

Electrical connection	
Multipole variant	M12, 8-pin resp. 4-pin or 5-pin according to device variant (see "5. Product connections" on page 10)
Cable bushing variant	2x M16 × 1.5 (cable Ø 5...10 mm) with terminals for cable cross-sections 0.14...1.5 mm²
Pneumatic data	
Control medium	**Neutral gases, air, quality class according to ISO 8573 - 1**
Dust content	Class 7 (particle size < 40 µm)
Particle density	Class 5 (< 10 mg/m³)
Pressure dew point	Class 3 (≤ - 20 °C or min. 10 °C below the lowest operating temperature)
Oil content	Class X (< 25 mg/m³)
Air intake filter	**Exchangeable**
Mesh size	Approx. 0.1 mm
Supply pressure	
Low air flow rate	0...7 bar [1.]
High air flow rate	3...7 bar
Pilot air port	Threaded connection G ⅛, stainless steel
Positioning system	
Low air flow rate	
Single-acting and double-acting	7 l_N/min for aeration and venting (Q_{Nn} value according to definition with pressure drop from 7 to 6 bar abs)
Actuator series/size	Type 23xx, actuator Ø 70/90 mm
High air flow rate	
Single-acting	130 l_N/min for aeration and venting (Q_{Nn} value according to definition with pressure drop from 7 to 6 bar abs)
Actuator series/size	Type 23xx, actuator Ø 70/90/225 mm Type 27xx, actuator Ø 175/225 mm
Approvals and conformities	
Explosion protection	
Ignition protection class	II 3D Ex tc IIIC T135 °C Dc II 3G Ex ec IIC T4 Gc
ATEX	BVS 14 ATEX E 008 X II 3D Ex tc IIIC T135 °C Dc II 3G Ex ec IIC T4 Gc
IECEx	IECEx BVS 14.0009 X Ex tc IIIC T135 °C Dc Ex ec IIC T4 Gc
Further information can be found in chapter "2.4. Explosion protection" on page 6.	
North America (USA/Canada)	
UL Listed for the USA and Canada	cULus certificate: E238179 Further information can be found in chapter "2.5. North America (USA/Canada)" on page 6.
FM Explosion Protection	Increased Safety for Class I, Zone 2, AEx ec IIC T4 Gc hazardous (classified) locations, indoors and outdoors (IP54). Alternatively marked as Class I Division 2 Groups A, B, C, and D; T4. Further information can be found in chapter "2.5. North America (USA/Canada)" on page 6.
Others	
China Compulsory Certification (CCC)	The products with Ex approval are suitable for import and use for hazardous applications in China. Further information can be found in chapter "2.6. Others" on page 6.
Further information can be found in chapter "2. Approvals and conformities" on page 6.	
Environment and installation	
Operating conditions	
Ambient temperature	- 10...+ 55 °C
Degree of protection	IP65/IP67 according to EN 60529, 4X according to NEMA 250 Standard
Operating altitude	Up to 2000 m above sea level

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Installation and mechanical data	
Installation position	As required, preferably with actuator in upright position
Valve actuator (type, size)	ELEMENT Type 23xx, actuator size Ø 70/90/130/225 mm CLASSIC Type 27xx, actuator size Ø 175/225 mm
Attachment kit	Further information can be found in chapter "Attachment kits" on page 22.

1.) The supply pressure must be 0.5 to 1 bar above the minimum required pilot pressure of the valve actuator.

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2. Approvals and conformities

2.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available variants can be supplied with the below mentioned approvals or conformities.

2.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

2.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.

2.4. Explosion protection

Approval	Description
	Optional: Explosion protection **ATEX:** BVS 14 ATEX E 008 X II 3D Ex tc IIIC T135 °C Dc II 3G Ex ec IIC T4 Gc **IECEx:** IECEx BVS 14.0009 X Ex tc IIIC T135 °C Dc Ex ec IIC T4 Gc

2.5. North America (USA/Canada)

Approval	Description
	Optional: UL Listed for the USA and Canada The products are UL Listed for the USA and Canada according to: • UL 61010-1 (ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE – Part 1: General Requirements) • CAN/CSA-C22.2 No. 61010-1
	Optional: FM (Factory Mutual) – Explosion Protection Increased Safety for Class I, Zone 2, AEx ec IIC T4 Gc hazardous (classified) locations, indoors and outdoors (IP54). Alternatively marked as Class I Division 2 Groups A, B, C, and D; T4.

2.6. Others

China Compulsory Certification (CCC)

Conformity	Description
	Optional: China Compulsory Certification (CCC) The products with Ex approval are suitable for import and use for hazardous applications in China.

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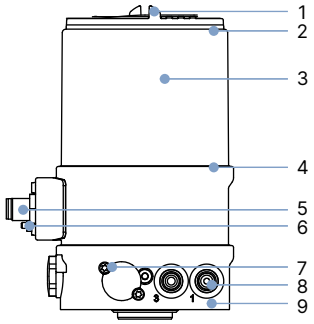
3. Materials

3.1. Material specifications

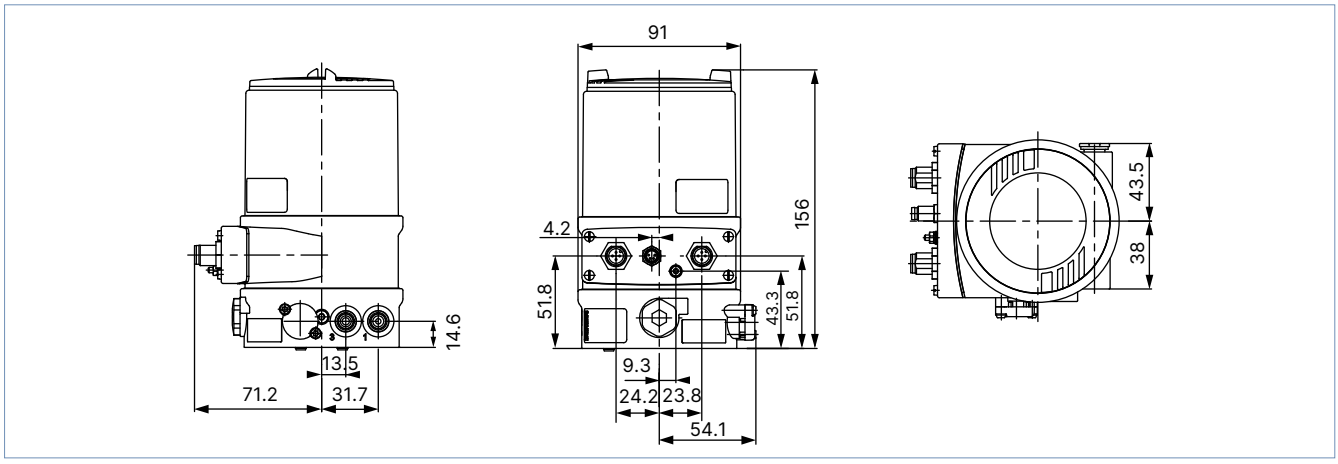


No.	Element	Material
1	Cover	PC
2	Seal	EPDM
3	Body casing	Stainless steel
4	Seal	EPDM
5	M12 plug connector	Stainless steel
6	Screws	Stainless steel
7	Screws	Stainless steel
8	Push-in connector Threaded connections G ⅛	POM/stainless steel Stainless steel
9	Basic housing	PPS

4. Dimensions

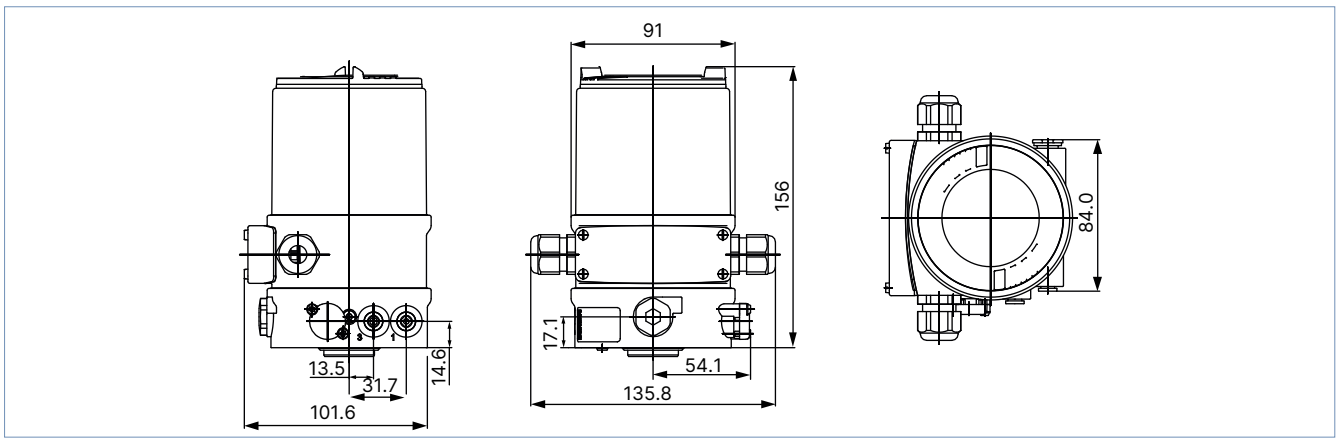
4.1. Multipole variant

Note:
Dimensions in mm, unless otherwise stated



4.2. Cable bushing variant

Note:
Dimensions in mm, unless otherwise stated



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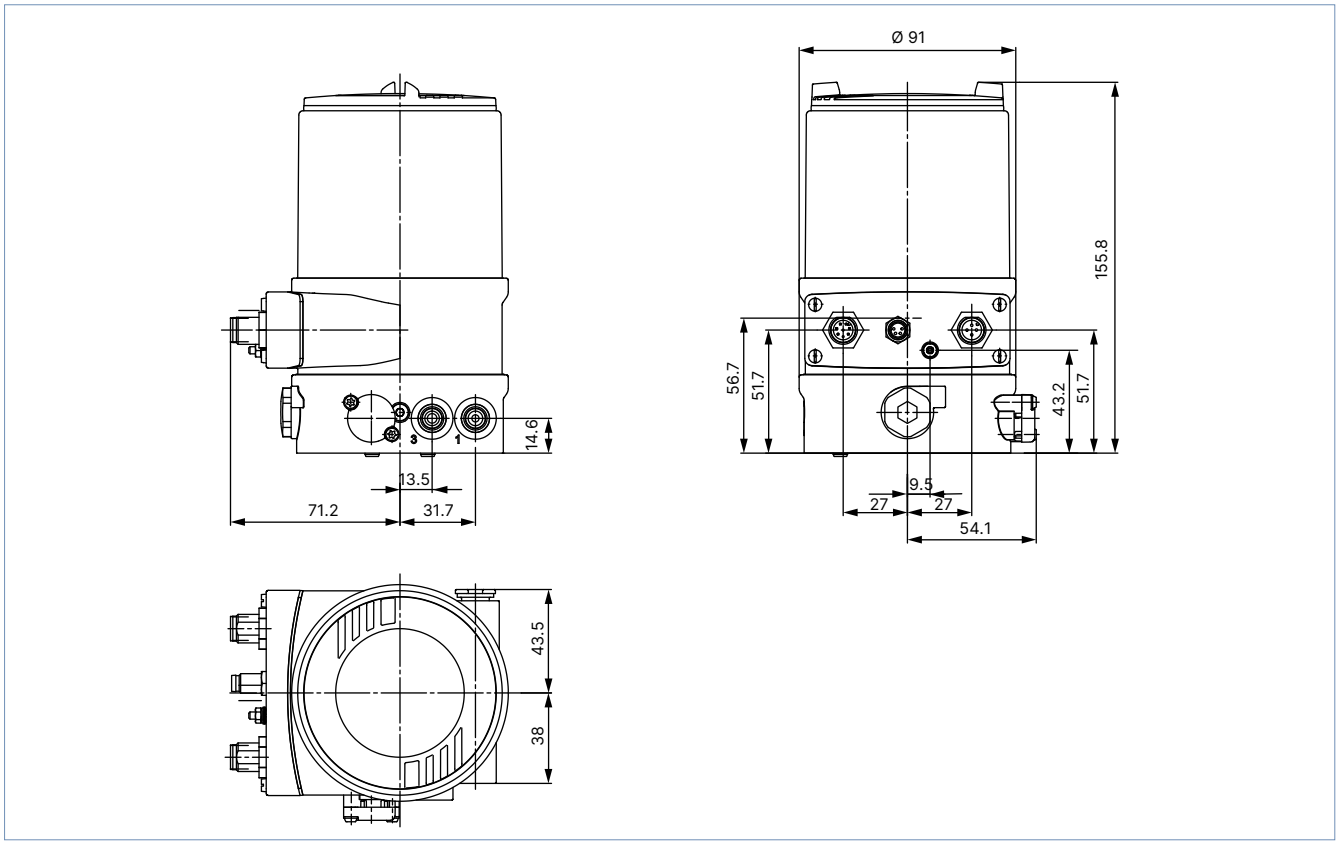
4.3. Mounting on control valves of Type 23xx actuator series, Type 23xx, actuator size 70/90/130/225 mm

Note:
Dimensions in mm, unless otherwise stated



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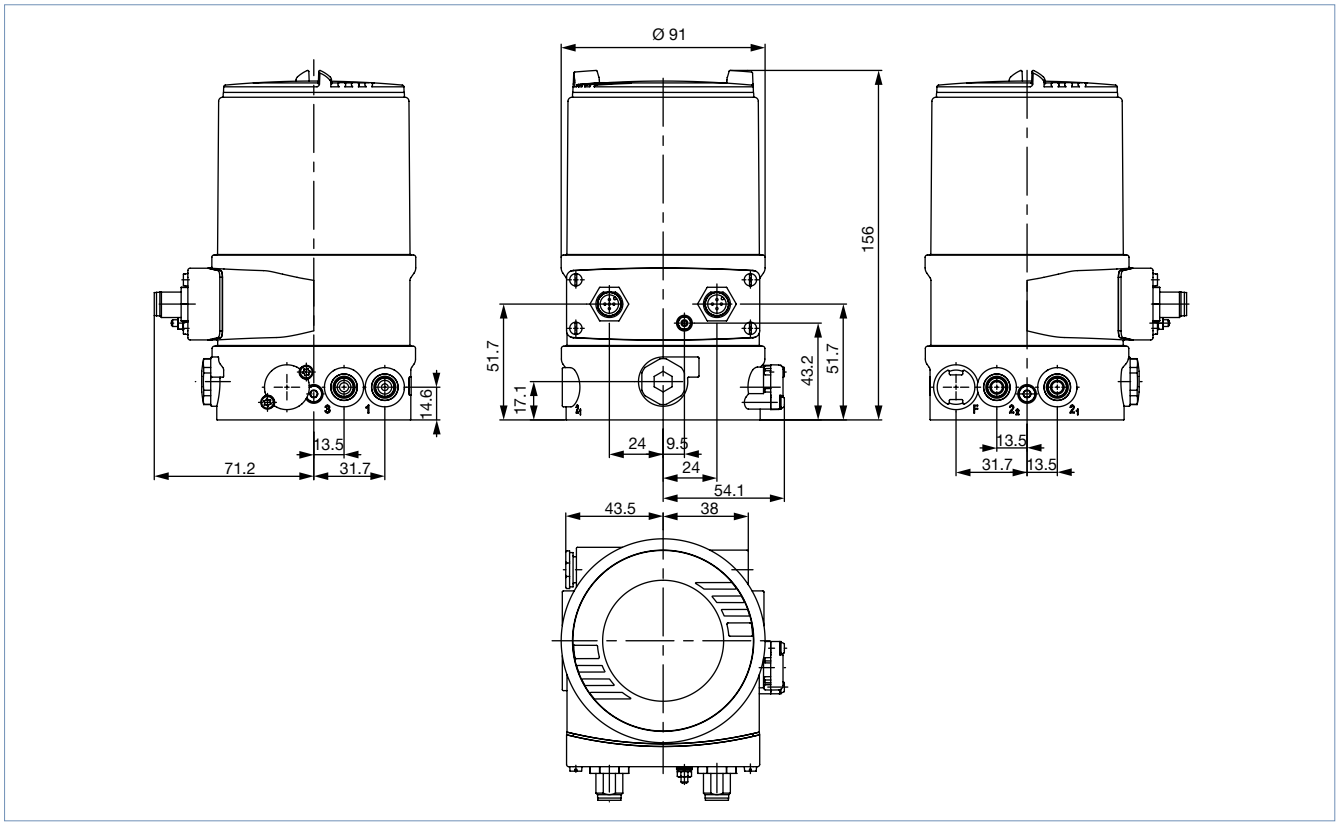
4.4. Mounting on control valves of Type 27xx actuator series, Type 27xx, actuator size 175/225 mm

Note:
Dimensions in mm, unless otherwise stated



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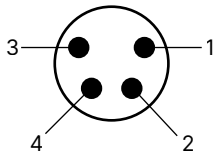
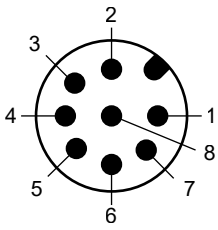
5. Product connections

5.1. Electrical connection

Multipole connection

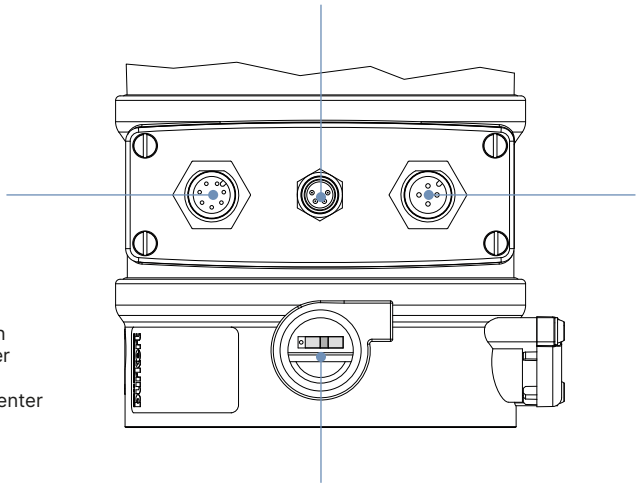


X5 – M8 circular connector, 4-pin (Type 8693 only)
Input signals process actual value

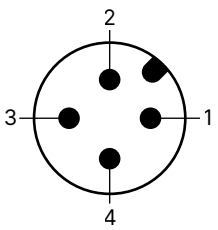


X1 – M12 circular connector, 8-pin
input signals for the control center

Output signals from the control center (optional)



Switch (to operate loosen the screw connection)



X6 – M12 circular connector, 4-pin
Operating voltage

M12 circular plug, 8-pin, set-point		M12 circular plug, 8-pin, input/output signal [1.)]		M12 circular plug, 4-pin, operating voltage	
Pin	**Pin assignment**	**Pin**	**Pin assignment**	**Pin**	**Pin assignment**
7	Set-point GND	**1**	Digital input +	**1**	Operating voltage + 24 V DC
8	Set-point + (0/4...20 mA/0...5/10 V)	**2**	Digital output GND	**2**	Not assigned
		3	Digital output 2	**3**	Operating voltage GND
		4	Digital output 1	**4**	Not assigned
		5	Analogue feedback GND		
		6	Analogue feedback +		

1.) With the options analogue feedback or digital outputs

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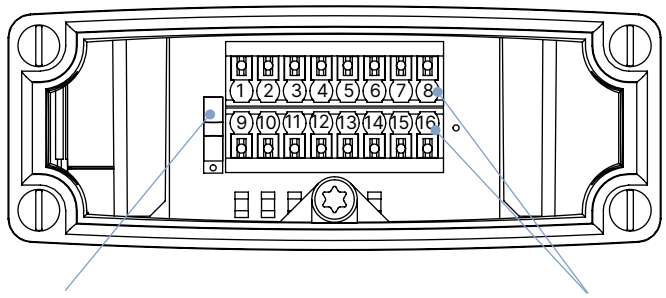
M8 circular plug, 4-pin (process actual value)

Note:
For reasons of wire compensation connect the Pt 100 sensor via 3 wires. Always bridge Pin 3 and Pin 4 on the sensor.

Input type [1.)]	Pin	Pin assignment	Switch
4...20 mA, internally supplied	**1**	+ 24 V transmitter supply	Switch on left
	2	Output from transmitter	
	3	GND	
	4	Bridge to GND	
4...20 mA, externally supplied	**1**	Not assigned	Switch on right
	2	Process actual value +	
	3	Not assigned	
	4	Process actual value -	
Frequency, internally supplied	**1**	+ 24 V sensor supply	Switch on left
	2	Clock input +	
	3	Clock input - (GND)	
	4	Not assigned	
Frequency, externally supplied	**1**	Not assigned	Switch on right
	2	Clock input +	
	3	Clock input -	
	4	Not assigned	
Pt 100 (see note above)	**1**	Not assigned	Switch on right
	2	Process actual value 1 (power supply)	
	3	Process actual value 2 (GND)	
	4	Process actual value 3 (compensation)	

1.) With the options analogue feedback or digital outputs

Cable gland



Terminal	Pin assignment
1	Analogue feedback GND
2	Analogue feedback +
3	Digital output GND
4	Digital output 2
5	Digital output 1
6	Digital input +
7	Set-point GND
8	Set-point +
9	Process actual value: assignment depends on sensor type, details see **operating instructions Type 8693** ▶
10	
11	
12	
13	Not assigned
14	Digital input GND
15	Operating voltage GND
16	Operating voltage + 24 V

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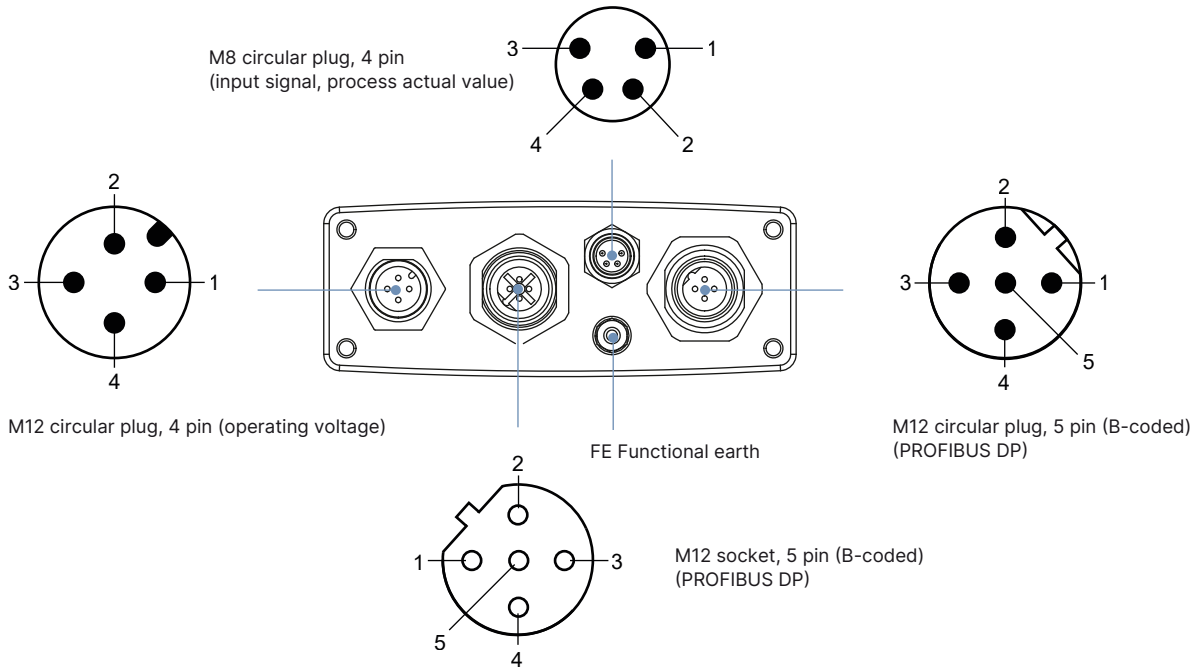
PROFIBUS DP connection



Socket/ M12 circular plug, 5-pin, fieldbus connection		M12 circular plug, 4-pin, operating voltage		
Pin	**Pin assignment**	**Pin**	**Wire colour** [1.)]	**Pin assignment**
1	VP + 5	**1**	Brown	Operating voltage + 24 V
2	RxD/TxD-N	**2**	–	Not assigned
3	DGND	**3**	Blue	Operating voltage GND
4	RxD/TxD-P	**4**	–	Not assigned
5	Not assigned			
Thread	Shielding/protective earth			

1.) The specified wire colours refer to the connection cable, which is available as an accessory with article no. 918038.

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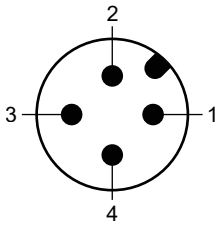
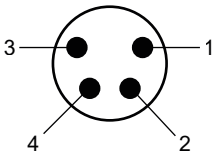
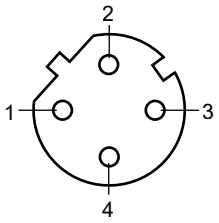
EtherNet/IP, PROFINET, Modbus TCP connection



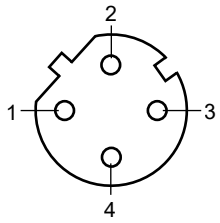
M12 circular plug, 4 pin
(operating voltage)



M8 circular plug, 4 pin
(input signal, process actual value)



Fieldbus connection for Ethernet, M12 socket,
4-pin, D-coded (2 Port Ethernet Switch)

M12 circular plug, 4-pin, operating voltage			Fieldbus connection for Ethernet, M12 socket, 4-pin, D-coded		
Pin	**Wire colour** [1.]	**Pin assignment**	**Connector diagram**	**Pin**	**Pin assignment**
1	Brown	Operating voltage + 24 V		**1**	Transmit +
2	–	Not assigned		**2**	Receive +
3	Blue	Operating voltage GND		**3**	Transmit -
4	–	Not assigned		**4**	Receive -

1.) The specified wire colours refer to the connection cable, which is available as an accessory with article no. 918038.

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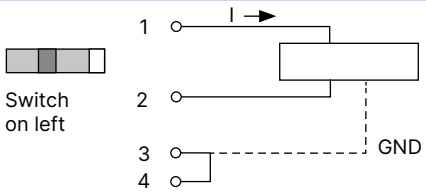
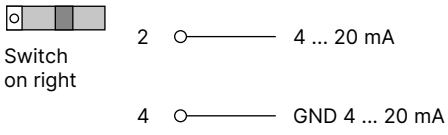
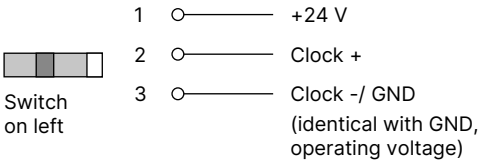
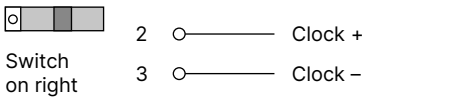
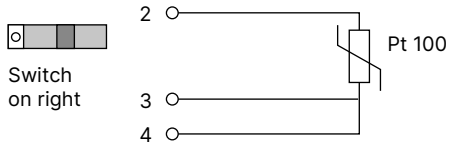
M8 circular plug, 4-pin (input signal for process actual value)

Note:
For reasons of wire compensation, connect the Pt 100 sensor via 3 wires. Always bridge Pin 3 and Pin 4 on the sensor.

Input type [1.]	Pin	Wire colour [2.]	Pin assignment	Switch	External circuit
4...20 mA - internally supplied	**1**	Brown	+ 24 V Transmitter supply	Switch on left	
	2	White	Output from transmitter		
	3	Blue	GND (identical to GND operating voltage		
	4	Black	Bridge according to GND (GND from 3 guide transmitter)		
4...20 mA - externally supplied	**1**	Brown	Not assigned	Switch on right	
	2	White	Process actual value +		
	3	Blue	Not assigned		
	4	Black	Process actual value -		
Frequency - internally supplied	**1**	Brown	+ 24 V sensor supply	Switch on left	
	2	White	Clock input +		
	3	Blue	Clock input - (GND)		
	4	Black	Not assigned		
Frequency - externally supplied	**1**	Brown	Not assigned	Switch on right	
	2	White	Clock input +		
	3	Blue	Clock input -		
	4	Black	Not assigned		
Pt 100 (see note above)	**1**	Brown	Not assigned	Switch on right	
	2	White	Process actual value 1 (power supply)		
	3	Blue	Process actual value 3 (GND)		
	4	Black	Process actual value 2 (compensation)		

1.) Can be adjusted via software (see **operating instructions Type 8692/8693** ▸ "24.2.1 PV-INPUT – Setting up the process controller")
2.) The specified wire colours refer to the connection cable, which is available as an accessory with article no. 264602.

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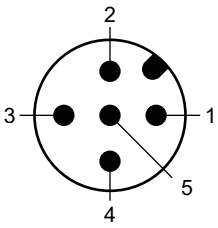
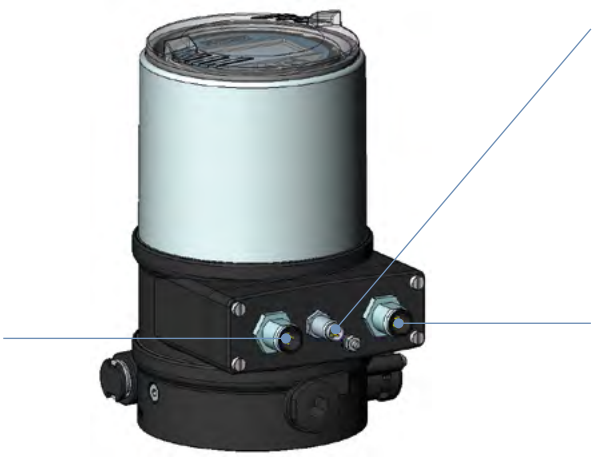
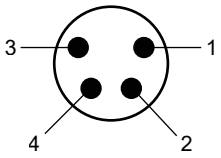
Bürkert system bus (büS) connection

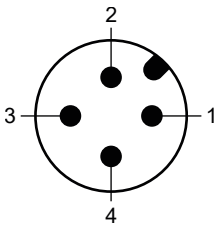


M12 circular plug,
5-pin (büS)





M8 circular plug, 4-pin
(input signal, process actual value)



M12 circular plug, 4-pin
(operating voltage)

M12 circular plug × 1, 5-pin, büS connection			M12 circular plug, 4-pin, operating voltage		
Pin	**Wire colour**	**Pin assignment**	**Pin**	**Wire colour** [1.]	**Pin assignment**
1	CAN shielding	CAN shielding	**1**	Brown	Operating voltage + 24 V DC
2	–	Not assigned	**2**	–	Not assigned
3	Black	GND / CAN_GND	**3**	Blue	Operating voltage GND
4	White	CAN_H	**4**	–	Not assigned
5	Blue	CAN_L			

1.) The specified wire colours refer to the connection cable, which is available as an accessory with Article no. 918038.

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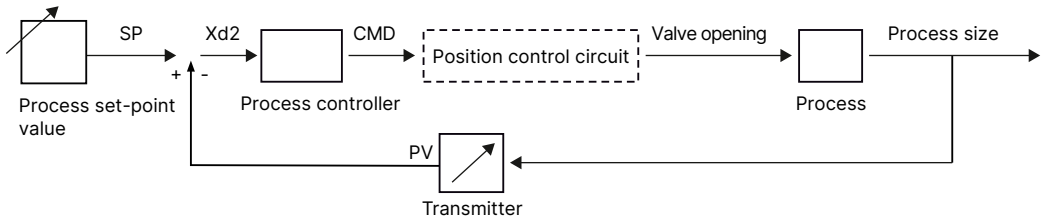
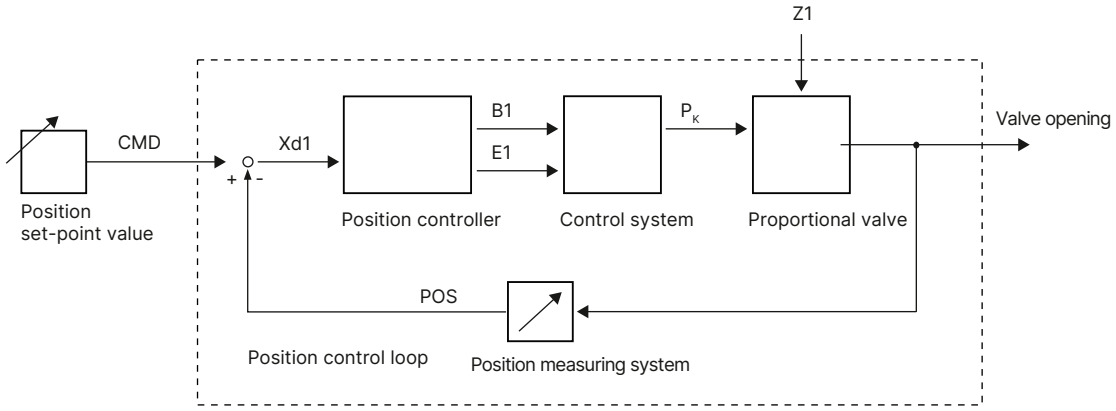
6. Performance specifications

6.1. Signal flow diagram

Process control circuit



Position control loop



Additional software options of the TopControl process controller Type 8693

- Automatic commissioning of control valve systems
- Automatic parameterisation of process control circuit
- Automatic or manual characteristic curves selection
- Setting of seal and maximum stroke threshold, respectively
- Parameterisation of positioner
- Manual parameterisation of process controller
- Limitation of stroke range
- Limitation of positioning speed
- Setting direction of movement
- Configuration of digital input
- Signal range splitting on several controllers
- Configuration of 1 analogue or 2 digital outputs
- Signal fault detection
- Safety position
- Code protection
- Contrast inversion of display
- Language selection
- Parameterisable diagnostic functions [1)] / digital outputs (option)
  - Operating hours counter
  - Path accumulator
  - Monitoring of process actual value
  - Position monitoring
  - Monitoring of mechanical end positions in the armature

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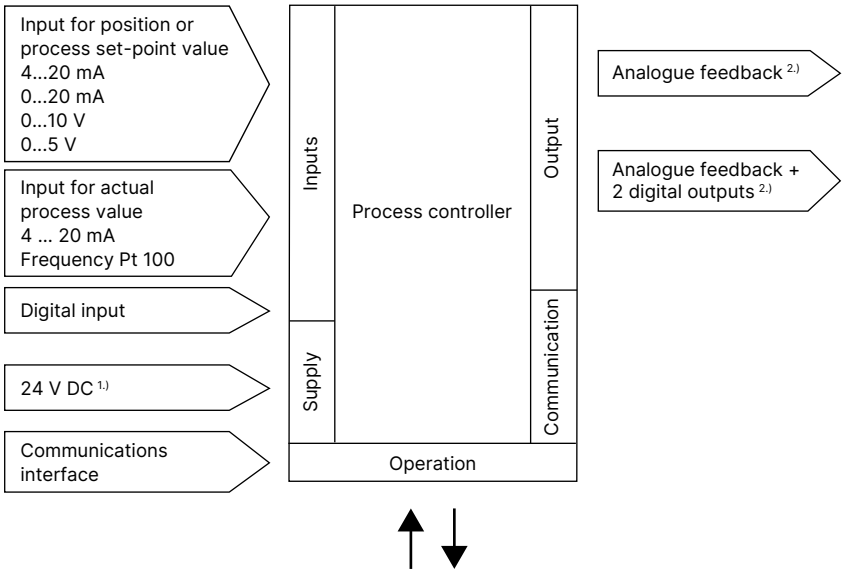
- Graphical display of dwell time density and movement range
- Direction-reversal counter
- Temperature monitoring

1.) Further information on each diagnostic function with detailed description can be found in the **operating instructions Type 8693** ▸

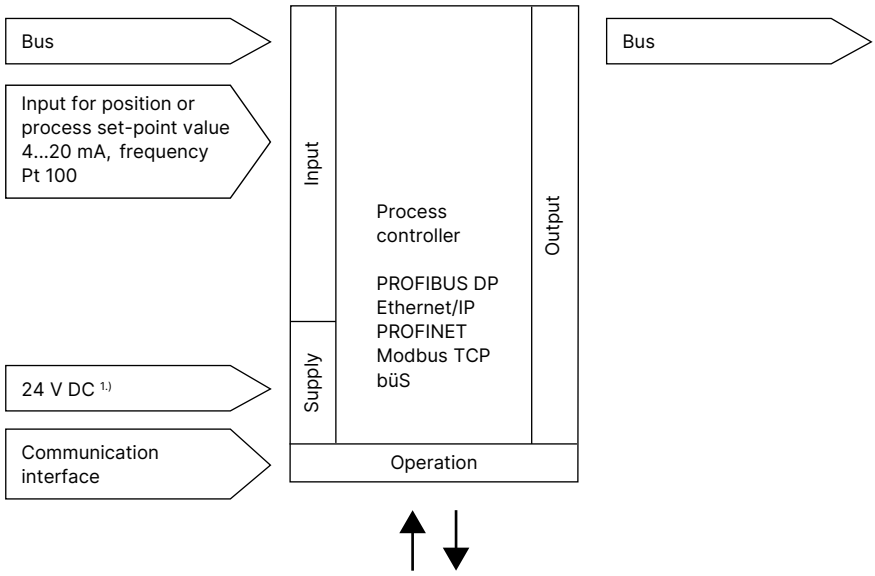
6.2. Interface diagram

Variant without fieldbus communication



Variant with fieldbus communication

With PROFIBUS DP, EtherNet/IP, PROFINET, Modbus TCP and Bürkert system bus (büS)



1.) The operating voltage is supplied with a 3-wire unit independent from the set-point signal.
2.) Alternative options

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7. Product installation

7.1. Combination options with pneumatic process valves

Note:
A **TopControl control valve system** consists of a **process controller Type 8693** and an **ELEMENT control valve Type 23xx,** resp. **Type 2103**.

The following information is required to select a complete system:

- **Article no.** of the desired **process controller TopControl,** see **data sheet Type 8693**
- **Article no**. of the desired **control valve Type 23xx / 2103,** see **data sheets Type 2301 ▸, Type 2300 ▸** and **Type 2103 ▸**

You order two components and receive a completely assembled and tested valve.

Example of variations of the control valve system

Process controller	Pneumatic process control valves			
Type 8693	**Type 2301 ▸** Globe valve	**Type 2300 ▸** Angle seat valve	**Type 2103 ▸** Diaphragm valve	**Hygienic process valve (third-party)**
	Control valve system			
Type 8802-GD-J Control valve system ELEMENT Type 2301 + Type 8693	**Type 8802-YG-J** Control valve system ELEMENT Type 2300 + Type 8693	**Type 8802-DF-J** Control valve system ELEMENT Type 2103 + Type 8693	**Mounting on third-party actuators** [1.]	

1.) See data sheet **Adaptations for third-party actuators Type KK01 ▸** or contact the appropriate Bürkert sales office.

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8. Ordering information

8.1. Bürkert eShop

Bürkert eShop – Easy ordering and quick 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

8.2. 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

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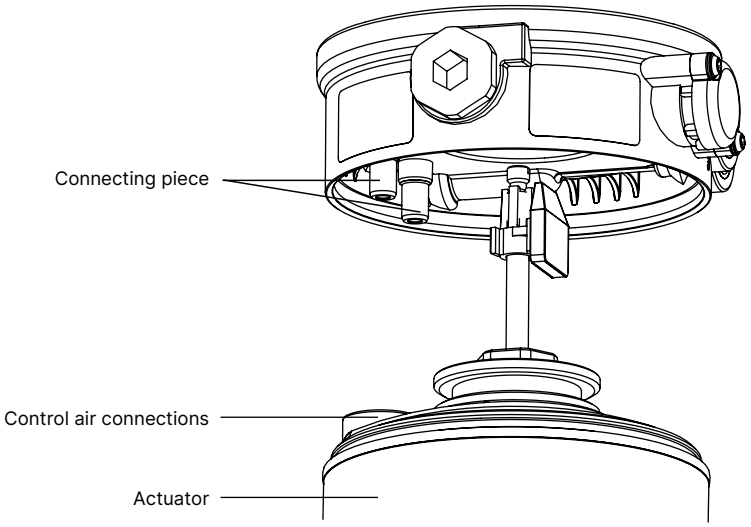
8.3. Ordering chart

Linear displacement sensor/integrated pilot air duct

Note:
All standard variants are UL-approved.



Note:

- All standard variants are UL-approved.
- The following applies to all of the following variants: pilot air port socket connection G ⅛.

Circuit function Pilot valve system	Communication	Electrical connections	Analogue feedback 0/4...20 mA	Analogue feedback 0/4...20 mA + 2 digital outputs	Diagnostics [1.)]	Digital input	Article no.		
							Standard	ATEX II Cat. 3G/D, IECEx, CCC [2.)]	ATEX II Cat. 3G/D, IECEx, cFMus Cl. I Div. II
Actuator series Type 23xx, actuator size Ø 70/90 mm									
Low air flow rate, single-acting	Without fieldbus communication	Cable gland	–	–	–	Yes	306936	306990	20054541
			–	Yes	Yes	Yes	306965	306991	20054543
		M12 plug connector	–	–	–	Yes	307082	307103	–
			–	Yes	Yes	Yes	307105	307104	–
	PROFIBUS DP-V1		Via bus	–	–	–	311800	311801	–
	EtherNet/IP		Via bus	–	Yes	–	306867	306865	–
	PROFINET		Via bus	–	Yes	–	306871	306869	–
	Modbus TCP		Via bus	–	Yes	–	306876	306874	–
	Bürkert system bus (büS)	M12 plug connector	Via bus	–	Yes	–	306881	306878	–
Low air flow rate, double-acting	Without fieldbus communication	Cable gland	–	–	–	Yes	306931	306992	20054537
			–	Yes	Yes	Yes	306994	306993	20054538
		M12 plug connector	–	–	–	Yes	307107	307109	–
			–	Yes	Yes	Yes	307108	307110	–
	PROFIBUS DP-V1		Via bus	–	–	–	311802	311803	–

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Circuit function Pilot valve system	Communication	Electrical connections	Analogue feedback 0/4...20 mA	Analogue feedback 0/4...20 mA + 2 digital outputs	Diagnostics [1]	Digital input	Article no.		
							Standard	ATEX II Cat. 3G/D, IECEx, CCC [2]	ATEX II Cat. 3G/D, IECEx, cFMus Cl. I Div. II
Actuator series Type 23xx, actuator size Ø 130/225 mm									
High air flow rate, single-acting	Without fieldbus communication	Cable gland	–	–	–	Yes	306946	306995	20054546
			–	Yes	Yes	Yes	306973	306997	20054547
		M12 plug connector	–	–	–	Yes	307112	307114	–
			–	Yes	Yes	Yes	307113	307115	–
	PROFIBUS DP-V1		Via bus	–	–	–	311804	311805	–
	EtherNet/IP		Via bus	–	Yes	–	306868	306866	–
	PROFINET		Via bus	–	Yes	–	306872	306870	–
	Modbus TCP		Via bus	–	Yes	–	306877	306875	–
	Bürkert system bus (büS)		Via bus	–	Yes	–	306882	306880	–
Actuator series Type 27xx, actuator size Ø 175/225 mm									
High air flow rate, single-acting	Without fieldbus communication	Cable gland	–	–	–	Yes	306950	307003	20054548
			–	Yes	Yes	Yes	306952	307004	20054549
		M12 plug connector	–	–	–	Yes	307068	307121	–
			–	Yes	Yes	Yes	307070	307122	–
	PROFIBUS DP-V1		Via bus	–	–	–	233356	265138	–
	EtherNet/IP		Via bus	–	Yes	–	313276	313275	–
	PROFINET		Via bus	–	Yes	–	313269	313268	–
	Modbus TCP		Via bus	–	Yes	–	313271	313270	–
	Bürkert system bus (büS)		Via bus	–	Yes	–	313283	313282	–

1.) See "Additional software options of the TopControl process controller Type 8693" on page 16
2.) CCC (China Compulsory Certificate) for device variants with Ex approval

Further variants on request

Additional
EtherNet/IP, PROFINET, Modbus TCP and büS (Bürkert System Bus): double-acting variants with low air flow rate.

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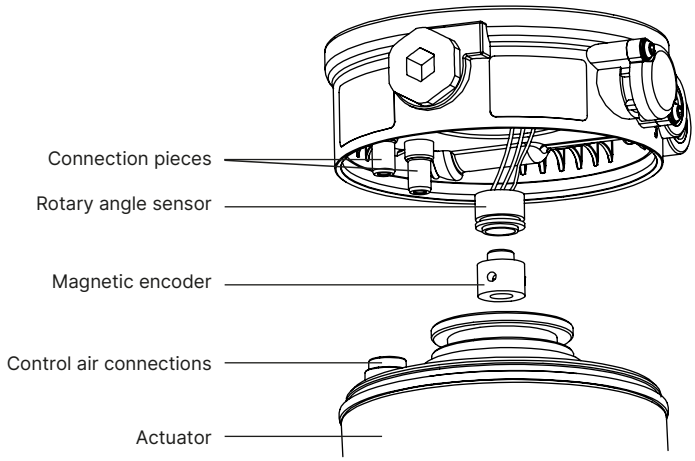
Rotary displacement sensor/integrated pilot air duct

Note:
All standard variants are UL-approved.



8.4. Ordering chart accessories

Standard accessories

Note:
Must be ordered separately.

Description	Article no.
M12 circular socket with cable, 8-pin, cable length: 5 m, for input and output signals	919267
M12 circular socket with cable, 4-pin, cable length: 5 m, for power supply (without communication)	918038
M8 circular socket with cable, 4-pin, cable length: 5 m, for process actual value of sensor	264602
USB büS interface set 2 (Type 8923) for connection to the Bürkert Communicator software: including büS stick, connection cable to M12 plug, M12 connection cable on micro USB for the büS service interface and Y distributor, cable length: 0.7 m	772551
büS cable extension, M12, cable length: 1 m	772404
büS cable extension, M12, cable length: 3 m	772405
büS cable extension, M12, cable length: 5 m	772406
büS cable extension, M12, cable length: 10 m	772407
Silencer G ⅛	780779
Sensor puck (spare part)	682240
USB interface for serial communication	227093
Bürkert Communicator Software	**Type 8920** ▶

Attachment kits

Note:
Must be ordered separately.

Attachment kits for third-party actuators can be found in the **data sheet Adaptations for third-party actuators Type KK01** ▶ or contact the appropriate Bürkert sales office.

Description	Actuator size	Control function	Article no.
Attachment kit for Type 21xx/23xx actuator series	Ø 70/90/130 mm	Universal	679917
Attachment kit for Type 21xx/23xx actuator series	Ø 225 mm	Universal	60025906
Attachment kit for Type 27xx actuator series	Ø 175/225 mm	A (NO), B (NC)	679935

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