DATA SHEET

Type 1061

bürkert
FLUID CONTROL SYSTEMS









Accessory for pneumatic rotary actuators

- Combines the functions of a position feedback and a solenoid valve in one
- Available with 3/2 way, 5/2 way or without solenoid valve
- ATEX versions available
- Perfectly suited for pneumatic actuators: 2051 and 2052
- Adjustable bracket allows the combination with actuators in different sizes

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

Type description

Type 1061 combines the function of a position feedback and a solenoid valve in one box. It can be used with pneumatic rotary actuators of type 2051 and 2052, which are part of the system type 8805. Type 1061 is available in different variations of limit switches (micro switches, inductive sensors) and solenoid valves (3/2 way, 5/2 way or without solenoid valve). Next to this, an ATEX version and variants with ASi fieldbus connections are also available. Because of the several available variations, it perfectly meets the requirements of different applications and processes.

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1. General technical data

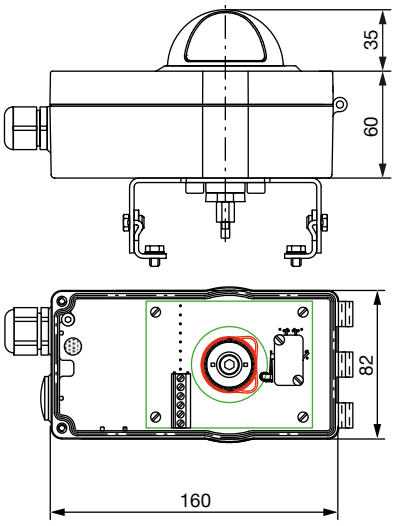
Product properties	
Materials	
Housing	Aluminium
Base (powder-coated)	RAL9005
Cover (powder-coated)	RAL7016
Seal	PUR
Dome	Polycarbonate
Switching precision	< 1.5°
Bracket	Adjustable Hole gauge: 80/130 mm x 30 mm Height: 20/30 mm
Ambient temperature	-25 °C...-10 °C up to 55 °C...85 °C
Electrical data	
Limit Switches	
Micro Switches	Crouzet 83.161.301 Crouzet 83.161.8
Inductive Sensors	Pepperl+Fuchs NBB2-V3-E2 Pepperl+Fuchs NJ2-V3-N
Performance data	
Switching capacity	4 A, 230 V AC
Approvals and certificates	
Protection class	IP65

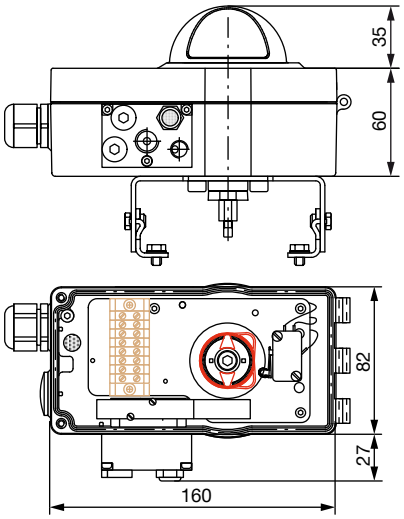
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2. Type 1061 with electromechanical feedback

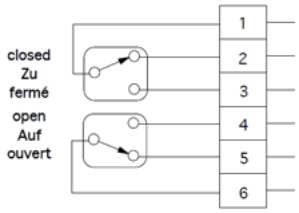
2.1. Dimensions

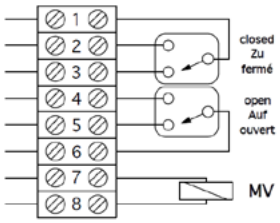
Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve





2.2. Terminal connection diagramm





2.3. Ordering chart

Technical Data	Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve
Limit switch			
Manufacturer	Crouzet	Crouzet	Couzet
Type	83.161.301 micro switch	83.161.301 micro switch	83.161.301 micro switch
Switching capacity	16 A, 230 V AC/DC	16 A, 230 V AC/DC	16 A, 230 V AC/DC
Contacts	Silver nickel	Silver nickel	Silver nickel
System connection	Cable gland M20 × 1,5 Clamp range 8…13 mm	Cable gland M20 × 1,5 Clamp range 8…13 mm	Cable gland M20 × 1,5 Clamp range 8…13 mm
Terminals	Screw terminals up to 2,5 mm²	Screw terminals up to 2,5 mm²	Screw terminals up to 2,5 mm²
Ambient temperature	-25 °C…85 °C	-10 °C…55 °C	-10 °C…55 °C
Solenoid valve			
Bürkert Type	–	6524 (Article no. 207505 🛒)	6525 (Article no. 207485 🛒)
Ways	–	3/2	5/2
Operating voltage	–	24 V DC	24 V DC
Nominal power	–	0,8 W	0,8 W
Orifice	–	4 mm	4 mm
Supply/exhaust air	–	G ¼, G ⅛	G ¼, G ⅛
Article no.	**773151** 🛒	**773139** 🛒	**773140** 🛒

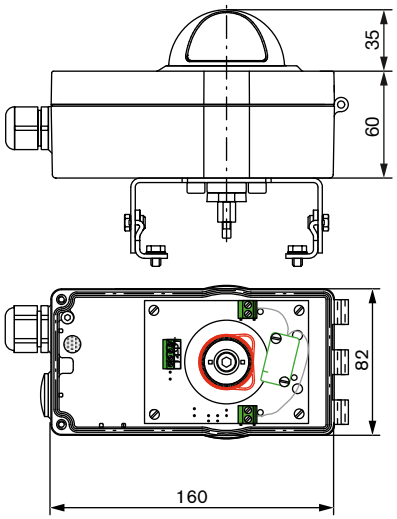
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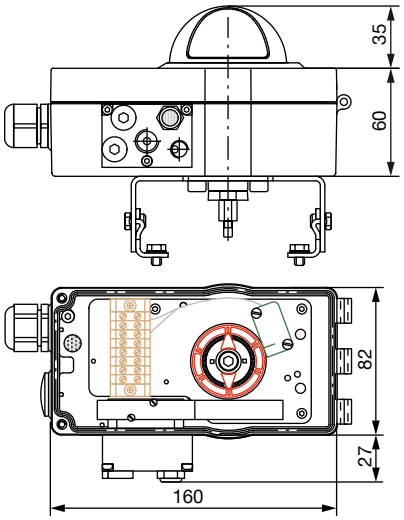
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3. Type 1061 with inductive feedback

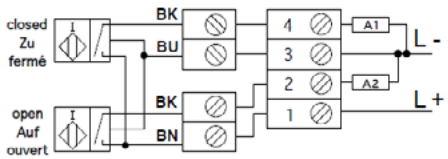
3.1. Dimensions

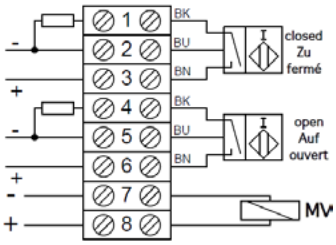
Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve





3.2. Terminal connection diagramm





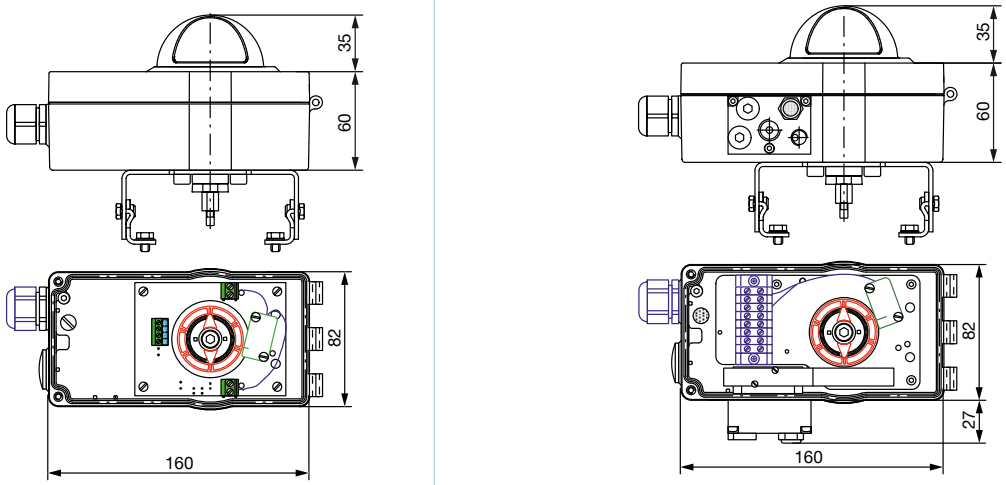
3.3. Ordering chart

Technical Data	Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve
Limit switch			
Manufacturer	Pepperl + Fuchs	Pepperl + Fuchs	Pepperl + Fuchs
Type	NBB2-V3-E2 inductive sensor	NBB2-V3-E2 inductive sensor	NBB2-V3-E2 inductive sensor
Operating voltage	10…30 V DC	10…30 V DC	10…30 V DC
Operating current	0…100 mA	0…100 mA	0…100 mA
Output	Short-circuit and pole protected	Short-circuit and pole protected	Short-circuit and pole protected
System connection	Cable gland M20 × 1,5 Clamp range 8…13 mm	Cable gland M20 × 1,5 Clamp range 8…13 mm	Cable gland M20 × 1,5 Clamp range 8…13 mm
Terminals	Screw terminals up to 2,5 mm²	Screw terminals up to 2,5 mm²	Screw terminals up to 2,5 mm²
Ambient temperature	-25 °C…70 °C	-10 °C…55 °C	-10 °C…55 °C
Solenoid valve			
Bürkert Type	–	6524 (Article no. 207505 🛒)	6525 (Article no. 207485 🛒)
Ways	–	3/2	5/2
Operating voltage	–	24 V DC	24 V DC
Nominal power	–	0,8 W	0,8 W
Orifice	–	4 mm	4 mm
Supply/exhaust air	–	G ¼, G ⅛	G ¼, G ⅛
Article no.	**773152** 🛒	**773141** 🛒	**773142** 🛒

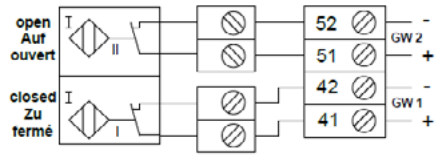
4. Type 1061 with inductive feedback – ATEX version

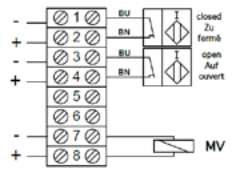
4.1. Dimensions

Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve



4.2. Terminal connection diagramm





4.3. Ordering chart

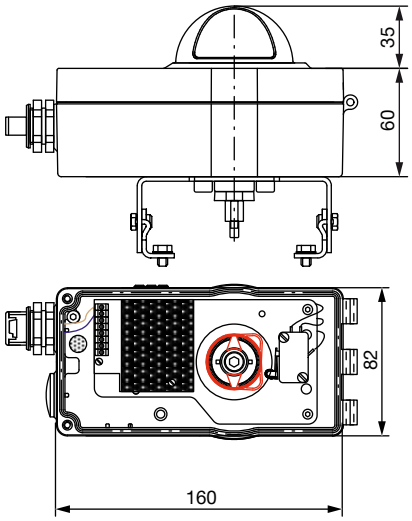
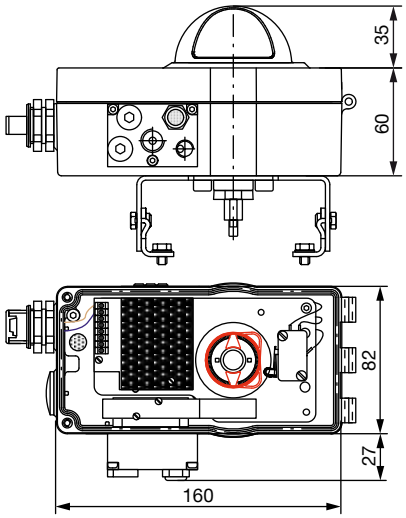
Technical Data	Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve
Limit switch			
Manufacturer	Pepperl + Fuchs	Pepperl + Fuchs	Pepperl + Fuchs
Type	NJ2-V3-N inductive sensor	NJ2-V3-N inductive sensor	NJ2-V3-N inductive sensor
Operating voltage	8,2 V DC (1000 Ω)	8,2 V DC (1000 Ω)	8,2 V DC (1000 Ω)
Operating current	≥3 mA (not activated) ≤1 mA (activated)	≥3 mA (not activated) ≤1 mA (activated)	≥3 mA (not activated) ≤1 mA (activated)
Output	Short-circuit and pole protected	Short-circuit and pole protected	Short-circuit and pole protected
System connection	Cable gland M20×1,5 Clamp range 8…13 mm	Cable gland M20×1,5 Clamp range 8…13 mm	Cable gland M20×1,5 Clamp range 8…13 mm
Terminals	Screw terminals up to 2,5 mm²	Screw terminals up to 2,5 mm²	Screw terminals up to 2,5 mm²
Ambient temperature	-25 °C…70 °C	-10 °C…55 °C	-10 °C…55 °C
Solenoid valve			
Bürkert Type	–	6524 (Article no. 184560)	6525 (Article no. 184564)
Ways	–	3/2	5/2
Electrical resistance	–	320 Ω	320 Ω
Min. Operating current	–	29 mA	29 mA
Power consumption	–	0,3 W	0,3 W
Orifice	–	4 mm	4 mm
Supply/exhaust air	–	G ¼, G ⅛	G ¼, G ⅛
ATEX Klassifizierung			
	Ex II 2G Ex e ia IIC T6 Gb EG-Baumusterprüfbescheinigung PTB 10 ATEX 1061 X	Ex II 2G Ex ia IIC T6 Gb EG-Baumusterprüfbescheinigungen PTB 00 ATEX 2032 X (Sensor) PTB 07 ATEX 2048 (Magnetventil)	
Article no.	**773153**	**773143**	**773144**

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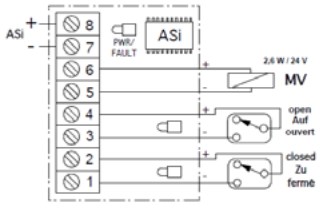
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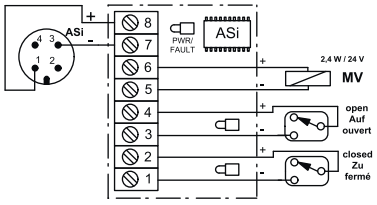
5. Type 1061 with electromechanical feedback and AS-Interface

5.1. Dimensions

Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve
		

5.2. Terminal connection diagramm





Programming informations
Profile: S-D.A.E
IO-Code: D
ID-Code: A
ID1-Code: 7
ID2-Code: E

62 slaves

5.3. Ordering chart

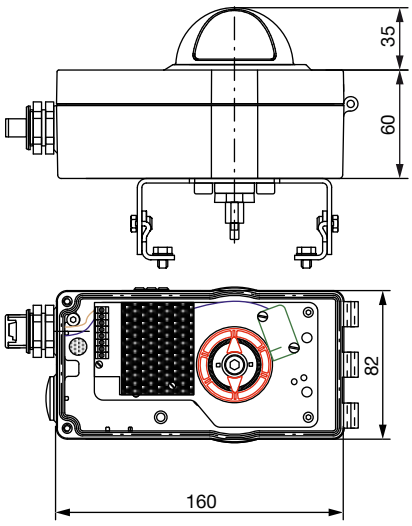
Technical Data	Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve
Limit switch			
Manufacturer	Crouzet	Crouzet	Couzet
Type	83.161.8 micro switch	83.161.8 micro switch	83.161.8 micro switch
Contacts	Gold	Gold	Gold
Plug-in card	ASi – 2 inputs, 1 output	ASi – 2 inputs, 1 output	ASi – 2 inputs, 1 output
Operating voltage	26,5…31 V DC	26,5…31 V DC	26,5…31 V DC
System connection	ASi cable connector M12-connector, male, 4 pin	ASi cable connector M12-connector, male, 4 pin	ASi cable connector M12-connector, male, 4 pin
Terminals	Screw terminals up to 1,5 mm²	Screw terminals up to 1,5 mm²	Screw terminals up to 1,5 mm²
Ambient temperature	-10 °C…60 °C	-10 °C…55 °C	-10 °C…55 °C
Solenoid valve			
Bürkert Type	–	6524 (Article no. 207505 🛒)	6525 (Article no. 207485 🛒)
Ways	–	3/2	5/2
Operating voltage	24 V DC[1.)]	24 V DC	24 V DC
Nominal power	max. 2,4 W[1.)]	0,8 W	0,8 W
Orifice	–	4 mm	4 mm
Supply/exhaust air	–	G ¼, G ⅛	G ¼, G ⅛
Article no.			
ASi cable connector	**773149** 🛒	**773145** 🛒	**773146** 🛒
M12-connector	**773292** 🛒	**773288** 🛒	**773298** 🛒

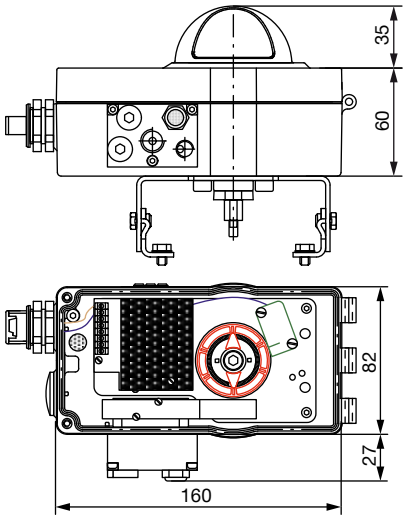
1.) if an extern solenoid valve should be connected

6. Type 1061 with inductive feedback and AS-Interface

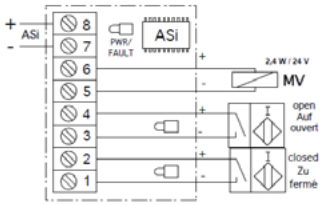
6.1. Dimensions

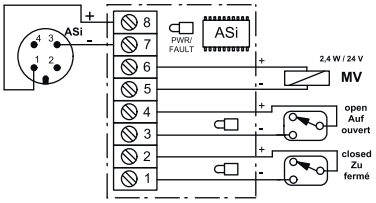
Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve





6.2. Terminal connection diagramm





Programming informations
Profile: S-D.A.E
IO-Code: D
ID-Code: A
ID1-Code: 7
ID2-Code: E

62 slaves

6.3. Ordering chart

Technical Data	Without solenoid valve	+3/2 way solenoid valve	+5/2 way solenoid valve
Limit switch			
Manufacturer	Pepperl + Fuchs	Pepperl + Fuchs	Pepperl + Fuchs
Type	NBB2-V3-E2 inductive sensor	NBB2-V3-E2 inductive sensor	NBB2-V3-E2 inductive sensor
Contacts	Gold	Gold	Gold
Plug-in card	ASi – 2 inputs, 1 output	ASi – 2 inputs, 1 output	ASi – 2 inputs, 1 output
Operating voltage	26,5…31 V DC	26,5…31 V DC	26,5…31 V DC
System connection	ASi cable connector M12-connector, male, 4 pin	ASi cable connector M12-connector, male, 4 pin	ASi cable connector M12-connector, male, 4 pin
Terminals	Screw terminals up to 1,5 mm²	Screw terminals up to 1,5 mm²	Screw terminals up to 1,5 mm²
Ambient temperature	-25 °C…60 °C	-10 °C…55 °C	-10 °C…55 °C
Solenoid valve			
Bürkert Type	–	6524 (Article no. 207505 🛒)	6525 (Article no. 207485 🛒)
Ways	–	3/2	5/2
Operating voltage	24 V DC[1.)]	24 V DC	24 V DC
Nominal power	max. 2,4 W[1.)]	0,8 W	0,8 W
Orifice	–	4 mm	4 mm
Supply/exhaust air	–	G ¼, G ⅛	G ¼, G ⅛
Article no.			
ASi cable connector	**773150** 🛒	**773147** 🛒	**773148** 🛒
M12-connector	**773293** 🛒	**773290** 🛒	**773291** 🛒

1.) if an extern solenoid valve should be connected

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