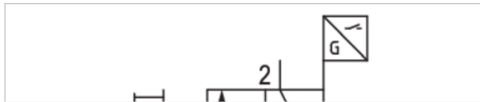


# 3/2-directional valve, electrically operated, Series AS5-SOV-...-POS



- With position inquiry, with integrated sensor
- Compressed air connection G 3/4
- Electrical connection: Plug, ISO 15217, form C



Version	Poppet valve, Can be assembled into blocks
Parts	3/2-directional valve, electrically operated
Nominal flow	12500 l/min
Nominal flow 1 ▶ 2	12500 l/min
Nominal flow 2 ▶ 3	3700 l/min
Working pressure min./max.	2,5 ... 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 ... 50 °C
Ambient temperature min./max.	-10 ... 50 °C
Sealing principle	Soft sealing
Max. particle size	25 µm
Protection class acc. to DIN EN 61140 with plug	IP65
Weight	0,459 kg



## Technical data

Part No.		Compressed air connection input	Compressed air connection output	Exhaust
R412009382		G 3/4	G 3/4	G 1/2
R412009388		G 1	G 1	G 1/2

Part No.	Operational voltage	Power consumption	Electrical connection
	DC	DC	Pilot valve
R412009382	24 V	2 W	Plug, ISO 15217, form C
R412009388	24 V	2 W	Plug, ISO 15217, form C

Part No.	Electrical connection	Cable length
	Sensor	Sensor
R412009382	without wire end ferrule, tin-plated	3 m
R412009388	without wire end ferrule, tin-plated	3 m

## Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .  
An ST6 sensor (contactless) is used to detect the switching position in the non-actuated state (position: exhaust).

The sensor signal is visible on the front of the cover

Electronic sensor R412003658 included in scope of delivery (assembled).

For sensor connection, see the selection table.

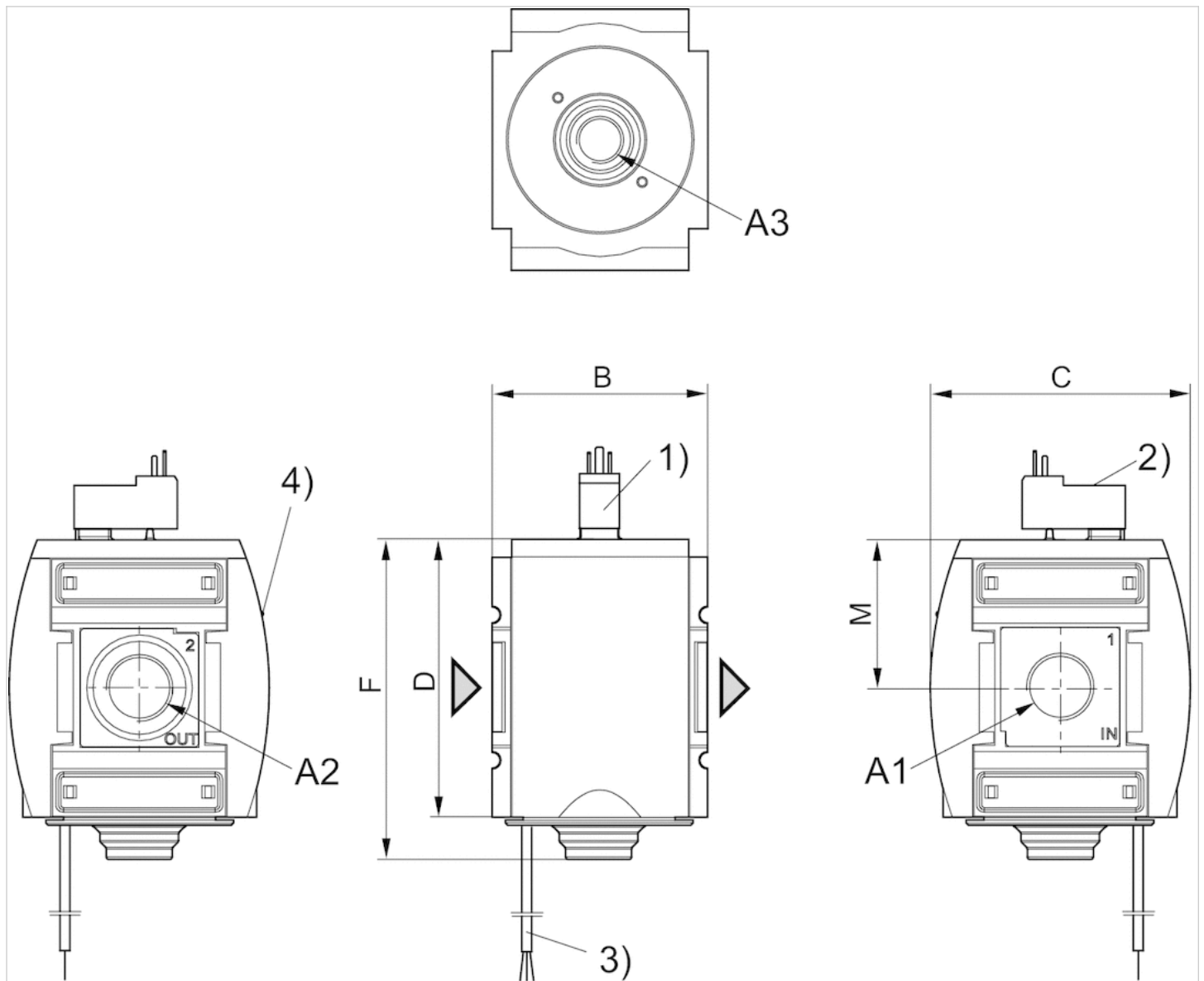
A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

## Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc

## Dimensions

### 3/2-directional valve with pilot valve and port for electrical connector form C



A1 = input A2 = output A3 = ventilation port

1) Electr. connection: valve plug connector form C, ISO 15217

2) Manual override

3) For version with sensor: cable length 3 m PUR.

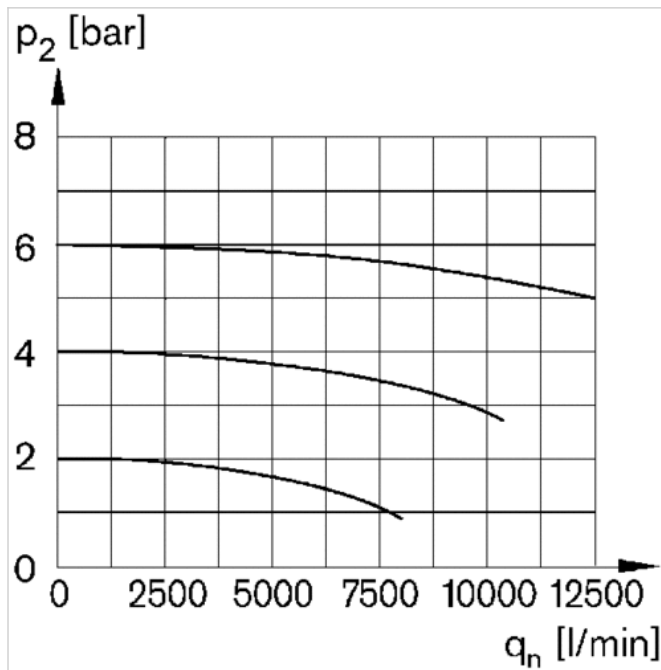
4) Optical switch status indicator

Dimensions in mm

A1	A2	A3	B	C	D	F	M
G 3/4	G 3/4	G 1/2	85	103	109	125	58
G 1	G 1	G 1/2	85	103	109	125	58

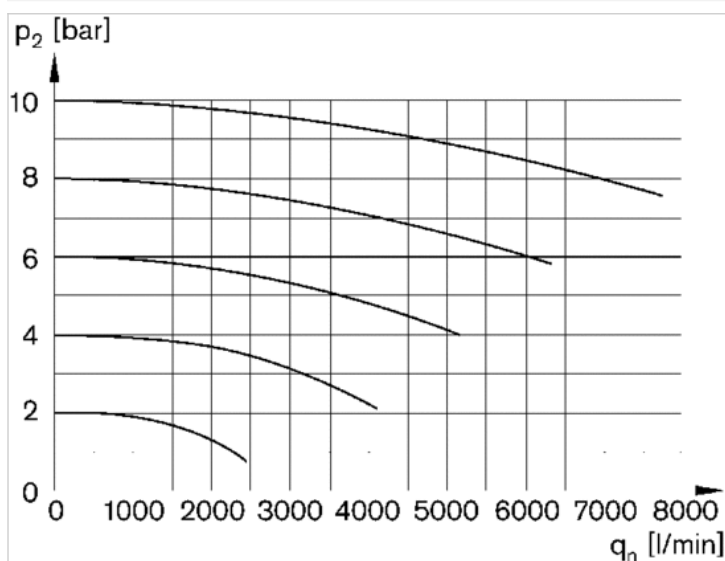
Diagrams

Flow rate characteristic 1 2



p2 = secondary pressure qn = nominal flow

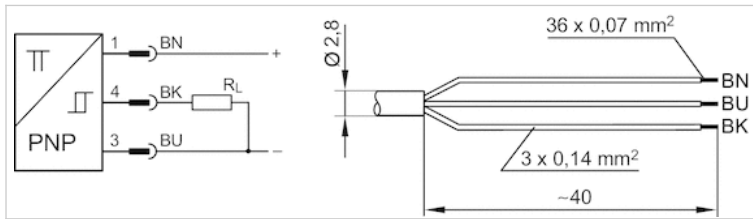
Rear exhaust 2 3



p2 = secondary pressure qn = nominal flow

## Pin assignments

### Sensor pin assignment tin-plated wire ends



BN = brown BK = black BU = blue