5/2-directional valve, Series 581, size 1

- ISO 5599-1
- 5/2
- Basic valve for CNOMO pilot valve
- Air return with differential piston
- Qn = 1400 l/min
- Compressed air connection output Base plate ISO 5599-1
- suitable for ATEX



Type	Spool valve
basic valve with electrical connector	Basic valve without pilot valve
Pilot	External Internal
Sealing principle	Soft sealing
Blocking principle	Single base plate principle
Connection type	Plate connection
Standards	ISO 5599-1
ATEX class G	II 2G2D T4 X
Working pressure min./max.	-0,95 ... 16 bar
Control pressure min./max.	1,3 ... 16 bar
Ambient temperature min./max.	-20 ... 70 °C
Medium temperature min./max.	-20 ... 70 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	1400 l/min
Flow conductance C	5,2 l/(s*bar)
Protection class with connection	IP65
Duty cycle	100 %
Mounting screw	with hexagon socket
Mounting screw tightening torque	2 Nm
Weight	0,21 kg

Technical data

Part No.		Throttle
5811680000		-
5811681000		with throttle

Differential piston, signal 14 has priority, The minimum pilot pressure at port 14 is dependent on the pressure in port 1., The pilot can be set by turning the seal under the valve cover by 180°., For internal pilot the working pressure min/max is the same as the control pressure min/max.

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

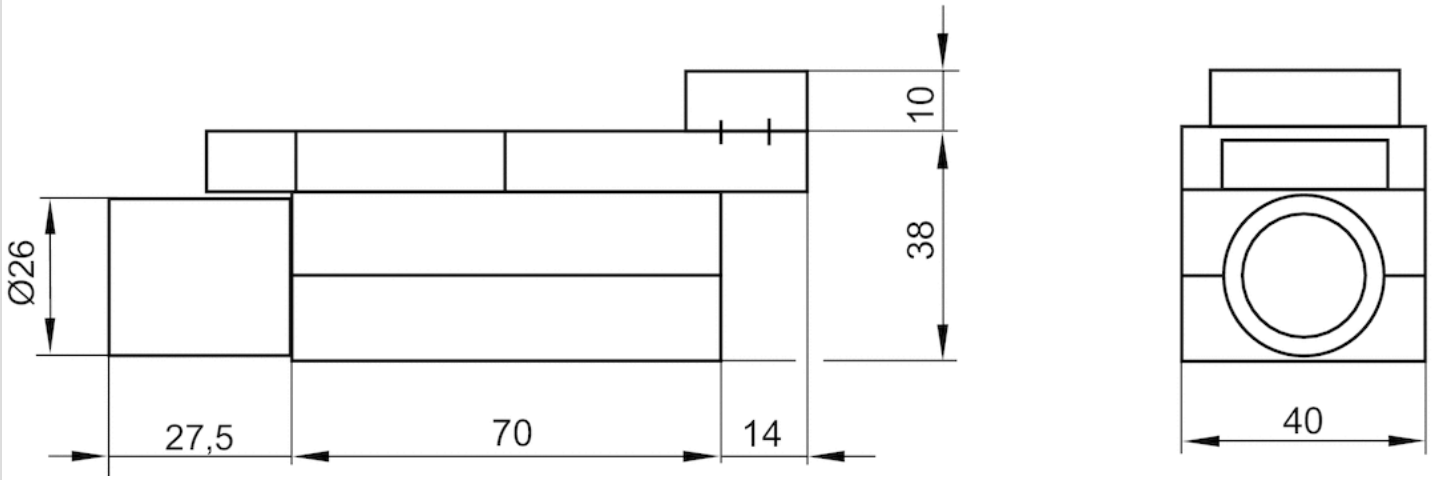
* Note: ATEX version can be produced by combining the basic valve without coil with a series DO30 CNOMO pilot valve and an ATEX coil.
ATEX ID: see ATEX coils catalog page.

Technical information

Housing	Aluminum
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



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