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5/2-directional valve, Series 740

- Qn = 1100 l/min
- Pipe connection
- Compressed air connection output : Ø 10x1
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent
- Double solenoid
- Pilot : internal

Version	Diaphragm poppet valve
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Blocking principle	Plate principle Single base plate principle
Working pressure min./max.	1,5 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	1100 l/min
Connector standard	EN 175301-803:2006
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Compatibility index	See table below
Duty cycle	100 %
Typ. switch-on time	40 ms
Mounting on manifold strip	PRS strip
Weight	See table below

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Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5727480220			Ø 10x1	Ø 10x1
5727485280			Ø 10x1	Ø 10x1
5727485302			Ø 10x1	Ø 10x1

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Exhaust	DC	AC 50 Hz
5727480220	M14x1	24 V	-
5727485280	M14x1	-	230 V
5727485302	M14x1	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5727480220	-	-10% / +10%	-	-
5727485280	230 V	-	-20% / +10%	-10% / +20%
5727485302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5727480220	2,1 W	-	-	-
5727485280	2,1 W	4,18 VA	3,3 VA	6,6 VA
5727485302	2,1 W	-	-	-

Part No.	Switch-on power	Compatibility index	Throttle	With valve plug connector
	AC 60 Hz			
5727480220	-	13 14	with throttle	Without valve plug connector
5727485280	5,5 VA	14	with throttle	Without valve plug connector
5727485302	-	14	with throttle	-

Nominal flow Qn at 6 bar and Δp = 1 bar

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).

ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

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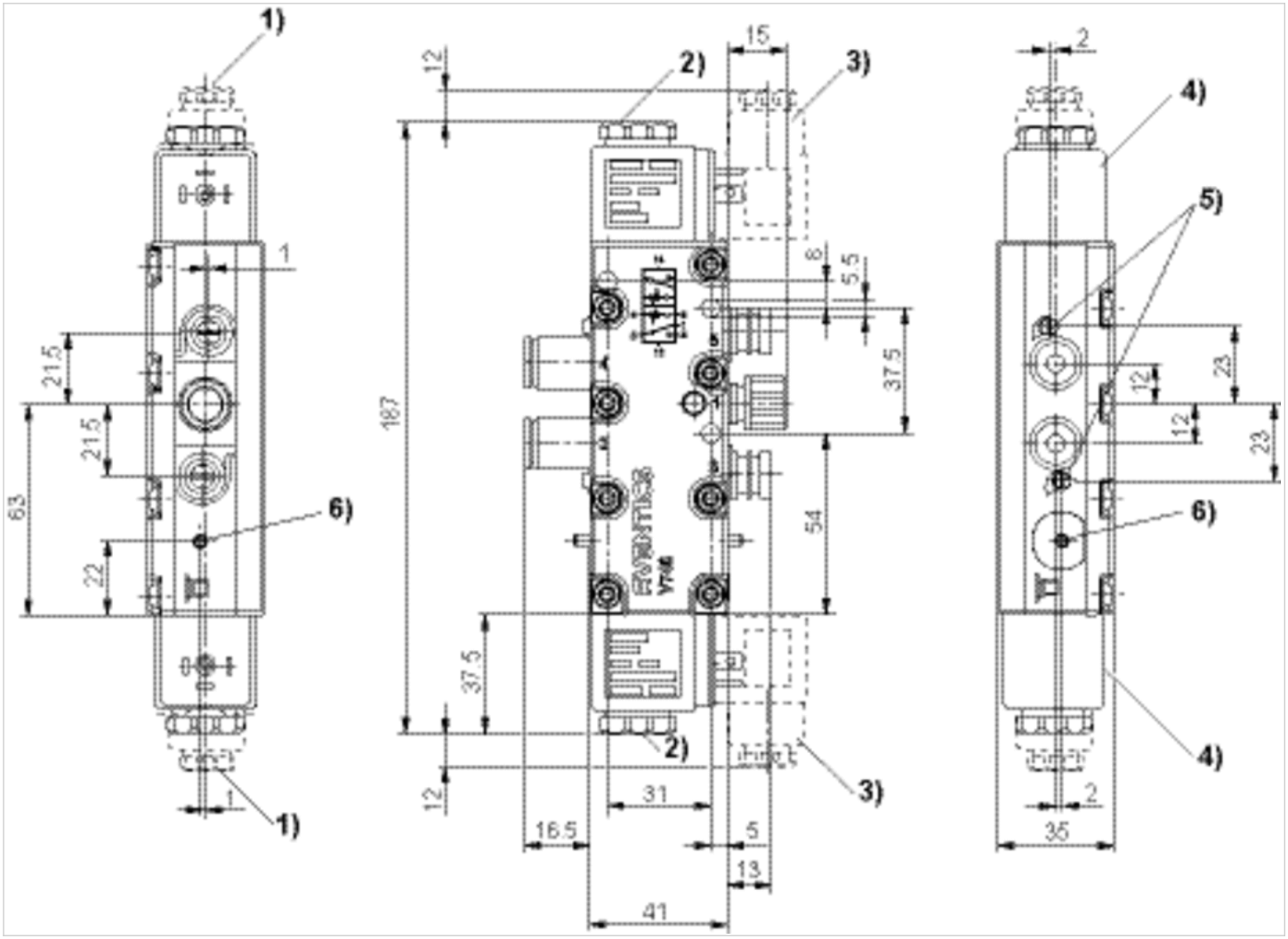
Technical information

Material	
Housing	Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Gland fitting M16x1.52) M5 internal thread accessible under cap3) Valve plug connector can be rotated at 90° intervals4) Coil can be plugged at 45° intervals5) Flow control screw for exhausts 5 (R) and 3 (S)6) Manual override and position indicator