

3/2-directional valve, Series DO16

- 3/2

- Plate connection

- Electrical connection : Plug, ISO 15217, form C

- Manual override : without detent with detent

- With spring return



Type	Poppet valve
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow 1 ▶ 2	See table below
Nominal flow 2 ▶ 3	See table below
Protection class acc. to DIN EN 61140 Electrically	Class I
Protection class with connection	IP65
Duty cycle	100 %
Mounting on manifold strip mounting screws	PRS strip M3
Weight	0,035 kg

Technical data

Part No.		MO	Operational voltage	Operational voltage
			DC	AC 50 Hz
0820048002			24 V	-
0820048004			-	24 V
0820048005			-	-
0820048001			-	230 V
0820048102			24 V	-
0820048101			-	230 V
0820048028			-	24 V
0820048026			24 V	-
0820048029			-	-
0820048025			-	230 V
0820048126			24 V	-

Part No.	Operational voltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
0820048002	-	-10% / +15%	-	-
0820048004	-	-	-10% / +15%	-
0820048005	110 V	-	-	-10% / +15%
0820048001	-	-	-10% / +15%	-

Part No.	Operational voltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
0820048102	-	-10% / +15%	-	-
0820048101	-	-	-10% / +15%	-
0820048028	-	-	-10% / +15%	-
0820048026	-	-10% / +15%	-	-
0820048029	110 V	-	-	-10% / +15%
0820048025	-	-	-10% / +15%	-
0820048126	-	-10% / +15%	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
0820048002	2 W	-	-	-
0820048004	-	1,6 VA	-	2,2 VA
0820048005	-	-	1,4 VA	-
0820048001	-	1,6 VA	-	2,2 VA
0820048102	2 W	-	-	-
0820048101	-	1,6 VA	-	2,2 VA
0820048028	-	1,6 VA	-	2,2 VA
0820048026	2 W	-	-	-
0820048029	-	-	1,4 VA	-
0820048025	-	1,6 VA	-	2,2 VA
0820048126	2 W	-	-	-

Part No.	Switch-on power	Nominal flow 1 ► 2	Nominal flow 2 ► 3	Working pressure min./max.
	AC 60 Hz			
0820048002	-	25 l/min	36 l/min	0 ... 10 bar
0820048004	-	25 l/min	36 l/min	0 ... 10 bar
0820048005	2 VA	25 l/min	36 l/min	0 ... 10 bar
0820048001	-	25 l/min	36 l/min	0 ... 10 bar
0820048102	-	20 l/min	26 l/min	0 ... 8 bar
0820048101	-	16 l/min	19 l/min	0 ... 6 bar
0820048028	-	25 l/min	36 l/min	0 ... 10 bar
0820048026	-	25 l/min	36 l/min	0 ... 10 bar
0820048029	2 VA	25 l/min	36 l/min	0 ... 10 bar
0820048025	-	25 l/min	36 l/min	0 ... 10 bar
0820048126	-	20 l/min	26 l/min	0 ... 8 bar

Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

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.

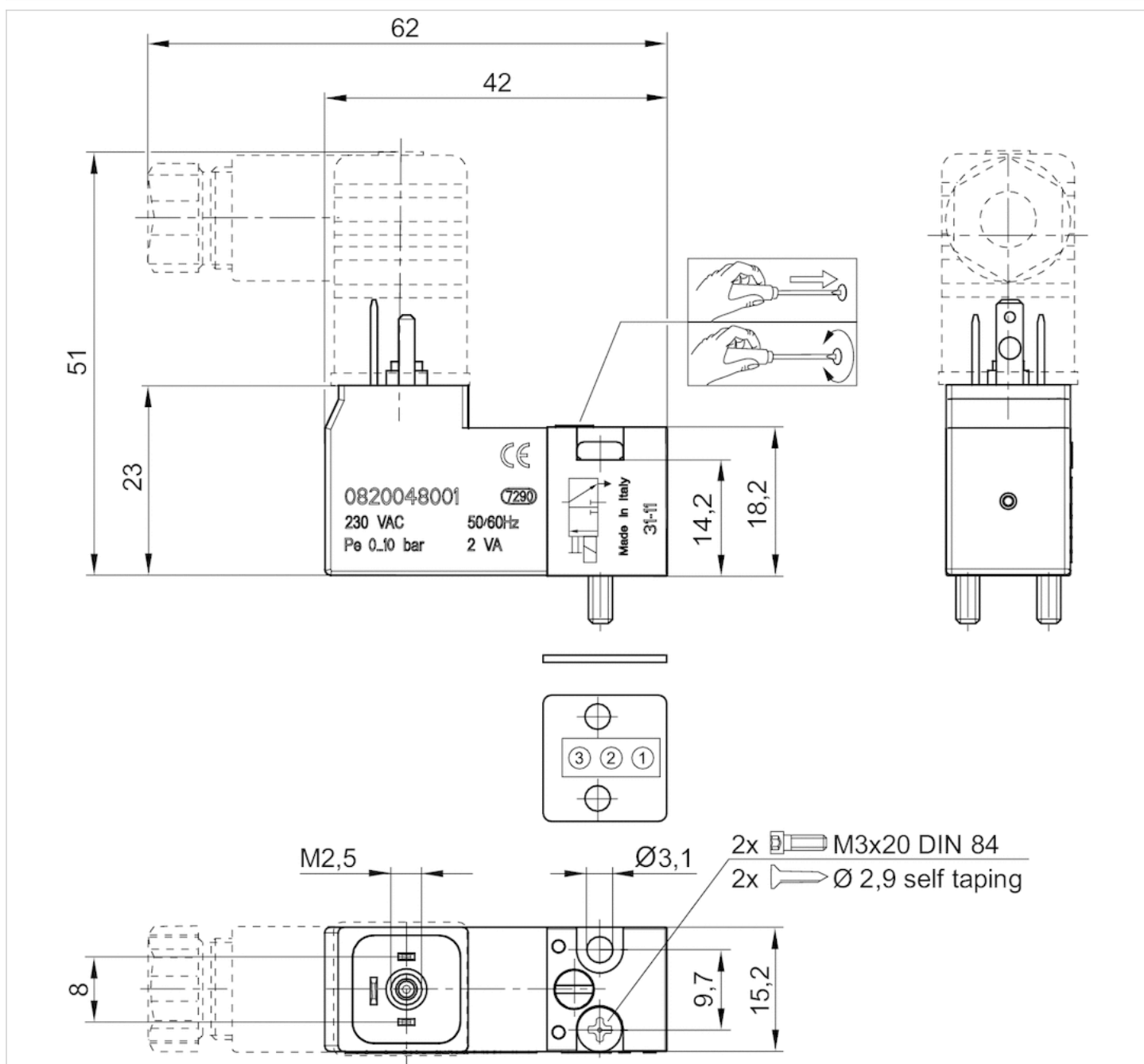
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	polyphenylene sulfide Polyamide fiber-glass reinforced
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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