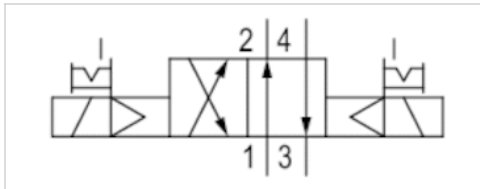


4/2-directional valve, Series 840

- 4/2
- $Q_n = 200 \text{ l/min}$
- Pilot valve width : 22.5 mm
- Pipe connection
- Compressed air connection output : $\varnothing 6 \times 1$
- Electrical connection : Plug, EN 175301-803, form C
- Manual override : with detent
- double solenoid
- Pilot : Internal



Type	Diaphragm poppet valve
Activation	Electrically
Pilot	Internal
Sealing principle	Soft sealing
Working pressure min./max.	1,8 ... 10 bar
Note	The maximum operating pressure depends on the ambient temperature. The following values are applicable: -15 °C ... 50 °C: Operating pressure 1.8 bar ... 8 bar possible. -15 °C ... 40 °C: Operating pressure 1.8 bar ... 10 bar possible.
Control pressure min./max.	1,8 ... 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 ... 1 mg/m^3
Nominal flow Q_n	200 l/min
Connector standard	EN 175301-803, form C
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Duty cycle	100 %
Typ. switch-on time	12 ms
Typ. switch-off time	12 ms
Mounting on manifold strip	PRS strip
Weight	See table below

Technical data

Part No.	MO	Compressed air connection	Compressed air connection
		Input	Output
5728410410		Ø 6x1	Ø 6x1
5728410420		Ø 6x1	Ø 6x1
5728410620		Ø 6x1	Ø 6x1
5728415420		Ø 6x1	Ø 6x1
5728415470		Ø 6x1	Ø 6x1
5728415480		Ø 6x1	Ø 6x1
5728415680		Ø 6x1	Ø 6x1

Part No.	Compressed air connection	Compressed air connection
	Exhaust	Pilot Exhaust
5728410410	Ø 6x1	Ø 4,5
5728410420	Ø 6x1	Ø 4,5
5728410620	Ø 6x1	Ø 4,5
5728415420	Ø 6x1	Ø 4,5
5728415470	Ø 6x1	Ø 4,5
5728415480	Ø 6x1	Ø 4,5
5728415680	Ø 6x1	Ø 4,5

Part No.	Operational voltage	Operational voltage	Operational voltage
	DC	AC 50 Hz	AC 60 Hz
5728410410	12 V	-	-
5728410420	24 V	-	-
5728410620	24 V	-	-
5728415420	-	24 V	24 V
5728415470	-	110 V	110 V
5728415480	-	230 V	230 V
5728415680	-	230 V	230 V

Part No.	Voltage tolerance	Voltage tolerance	Voltage tolerance	Power consumption
	DC	AC 50 Hz	AC 60 Hz	DC
5728410410	-10% / +10%	-	-	1,6 W
5728410420	-10% / +10%	-	-	1,6 W
5728410620	-10% / +10%	-	-	1,6 W
5728415420	-	-10% / +15%	-10% / +15%	-
5728415470	-	-10% / +15%	-10% / +15%	-
5728415480	-	-10% / +15%	-10% / +15%	-
5728415680	-	-10% / +15%	-10% / +15%	-

Part No.	Holding power	Holding power	Switch-on power	Switch-on power
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
5728410410	-	-	-	-
5728410420	-	-	-	-
5728410620	-	-	-	-
5728415420	2,1 VA	1,9 VA	3 VA	2,6 VA
5728415470	2,2 VA	1,9 VA	3,1 VA	2,6 VA
5728415480	2,3 VA	2 VA	3,2 VA	2,8 VA

Part No.	Holding power	Holding power	Switch-on power	Switch-on power
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
5728415680	2,5 VA	2,2 VA	3,5 VA	3 VA

Part No.	LED status display	Weight
5728410410	-	0,156 kg
5728410420	-	0,157 kg
5728410620	Red	0,158 kg
5728415420	-	0,153 kg
5728415470	-	0,157 kg
5728415480	-	0,156 kg
5728415680	Red	0,16 kg

Nominal flow Q_n at 6 bar and $\Delta p = 1$ 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).

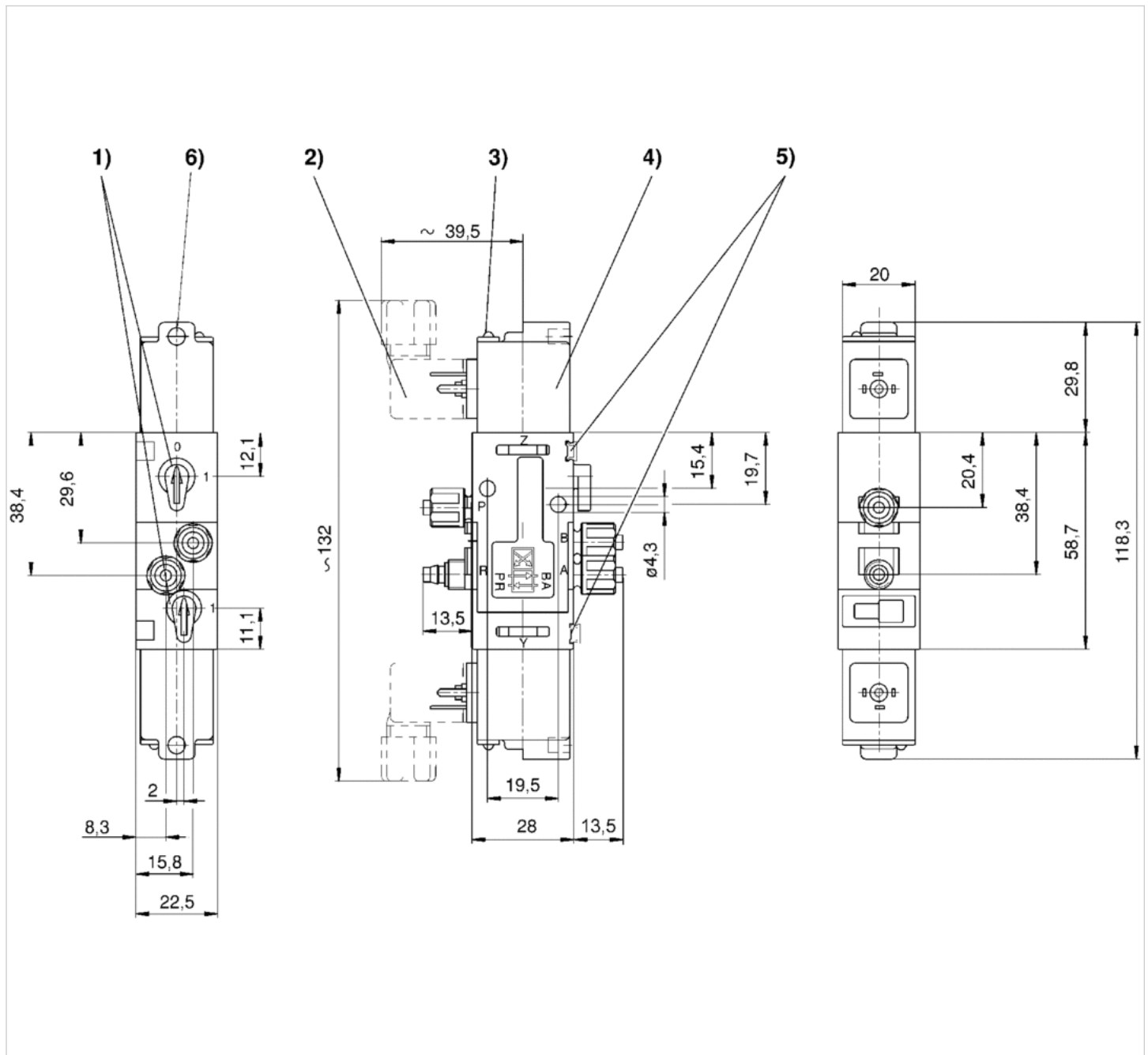
Versions with voltage of less than 50 V DC do not have a protective ground.

Technical information

Material	
Housing	Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



1) Manual override 2) Valve plug connector 3) LED display 4) Coil can be rotated at 180° intervals 5) Mounting space for name plate 6) Hole for M5 fitting or silencer Ø 4.5 mm

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



Visit us: [Emerson.com/Aventics](https://emerson.com/aventics)

Your local contact: [Emerson.com/contactus](https://emerson.com/contactus)



Emerson.com



Facebook.com/EmersonAutomationSolutions



LinkedIn.com/company/Emerson-Automation-Solutions



Twitter.com/EMR_Automation

An example configuration is depicted on the title page. The delivered product may thus vary from that in the illustration. Subject to change. This Document, as well as the data, specifications and other information set forth in it, are the exclusive property of AVENTICS GmbH. It may not be reproduced or given to third parties without its consent. Only use the AVENTICS products shown in industrial applications. Read the product documentation completely and carefully before using the product. Observe the applicable regulations and laws of the respective country. When integrating the product into applications, note the system manufacturer's specifications for safe use of the product. The data specified only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgement and verification. It must be remembered that the products are subject to a natural process of wear and aging.

The Emerson logo is a trademark and service mark of Emerson Electric Co. Brand logotype are registered trademarks of one of the Emerson family of companies. All other marks are the property of their respective owners. © 2020 Emerson Electric Co. All rights reserved.
2020-12



CONSIDER IT SOLVED™