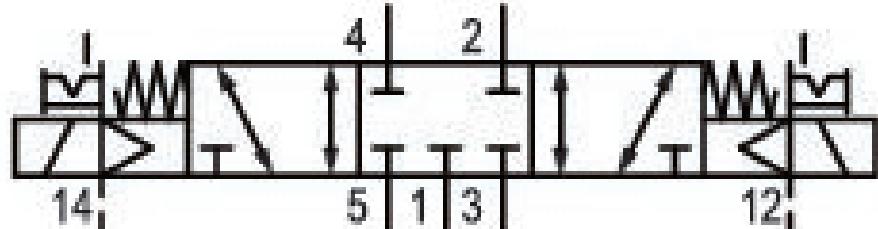
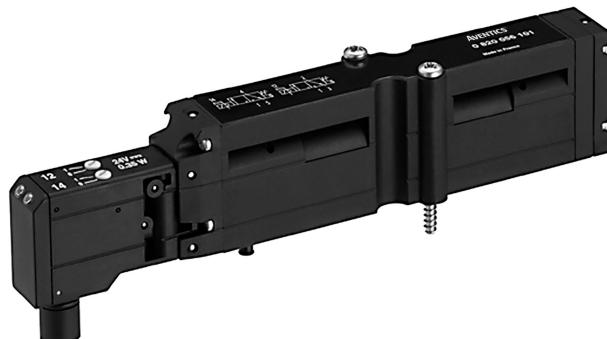


5/3-directional valve, Series HF02-LG

0820056601

General series information
Series HF02-LG

- The AVENTICS Series HF02-LG extends the product family of universal valve systems with a high flow rate of up to 1400 l/min.



Technical data

Industry	DC operating voltage
Industrial	24 V
Activation	Voltage tolerance DC
Electrically	-15% / +20%
Nominal flow Qn	Manual override
1400 l/min	with detent
Switching principle	Sealing principle
5/3	Soft Seal
Version	Pilot
Closed Center	External
Working pressure min.	Internal
-0.9 bar	Certificates
Working pressure max	UR (Underwriters Laboratories)
10 bar	

Pilot valve width	Connection type
16 mm	Plate connection
Valve type	Blocking principle
Spool valve, positive overlapping	Single base plate principle
Control pressure min.	Max. medium temperature
3 bar	50 °C
Control pressure max.	Medium
10 bar	Compressed air
Min. ambient temperature	Max. particle size
0 °C	5 µm
Max. ambient temperature	Oil content of compressed air min.
50 °C	0 mg/m³
Min. medium temperature	Oil content of compressed air max.
0 °C	5 mg/m³
Pilot control exhaust	Flow conductance C
With collective pilot air exhaust	5.87 l/(s*bar)
Flow conductance b	
0.4	
Power consumption DC	Typ. switch-on time
0.35 W	14 ms
LED status display	Typ. switch-off time
Yellow	15 ms
Duty cycle	
100 %	
Pilot valve width	mounting screws
16 mm	cross recessed DIN EN ISO 4757-Z2
Protection class with connection	Mounting screw tightening torque
IP65	1.3 Nm
Protective circuit	Weight
Z-diode	0.144 kg
Reverse polarity protection	
Protected against polarity reversal	
Housing material	Hydrogenated acrylonitrile butadiene rubber
Polyamide	
Seal material	Part No.
Acrylonitrile butadiene rubber	0820056601

Technical information

The pilot type (external/internal) is not implemented in the valve, but in the end plate of the valve system.

The pilot valve is UL (Underwriters Laboratories) certified.

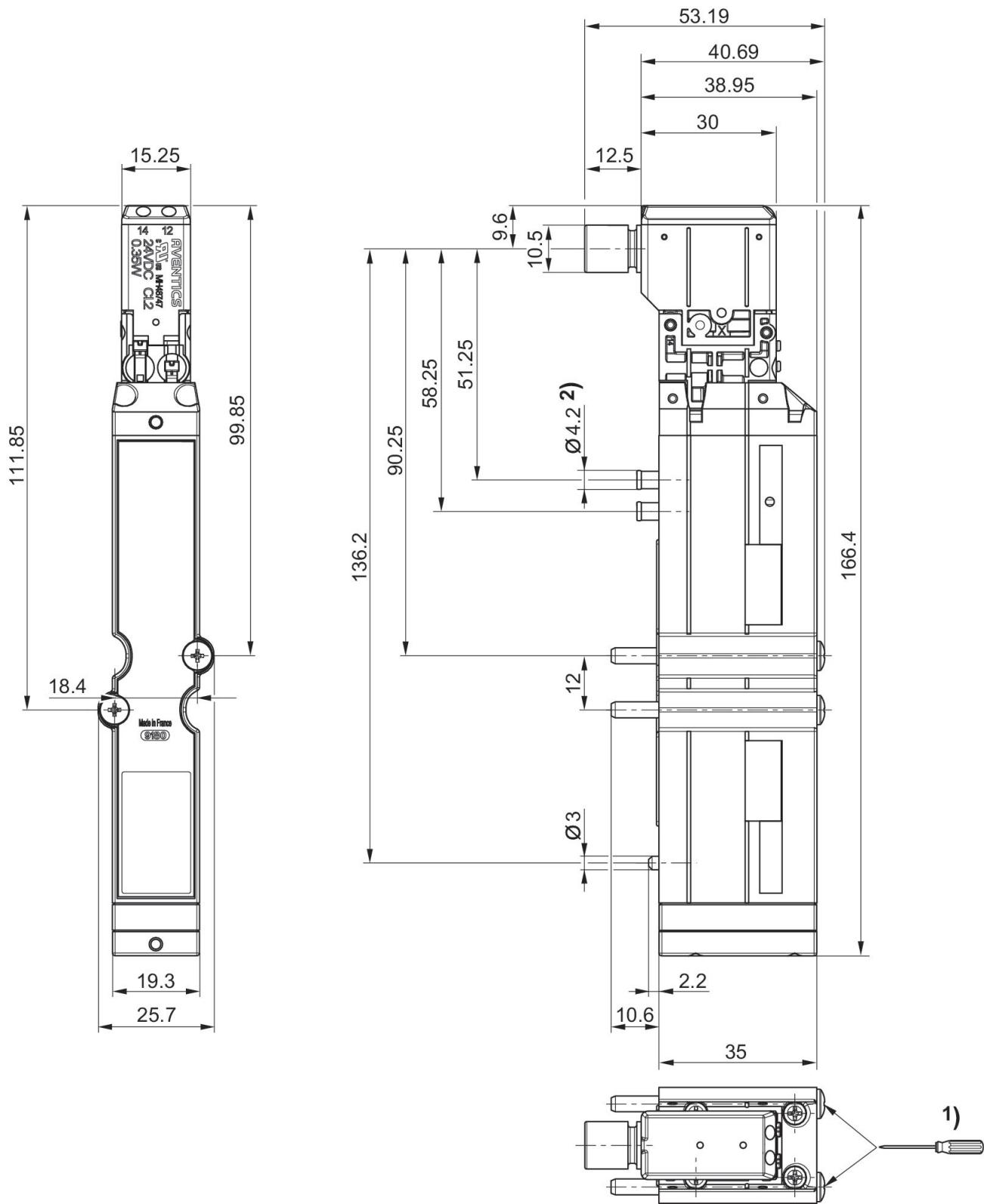
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

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 <https://www.emerson.com/en-us/support>).

Dimensions



1) = 1.1 +0.2 Nm 800tr/min. max.