

SOLENOID VALVE

Lucifer 341-347 N High flow

NAMUR

Applications: Pneumatic control at high flow applications.

Module system: Choose valve and desired coil within the same coil group, see leaflet for the coil. Table below refers to standard coil.

Function: 5/2, 3/2 pilot operated

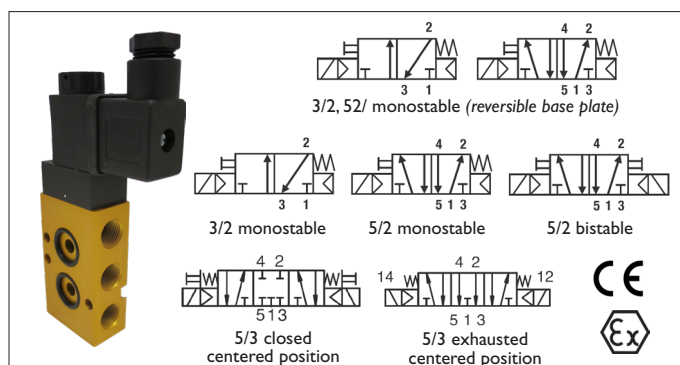
Valve body: Aluminium

Ambiente temp: See information for choosen coil, see separate leaflet.

Protection class: IP 10 - IP 67 depending on coil.

Optional: Ex-version for coil group 2.1, e.g. 495905 Ex db mb IICT4
DIN with LED / moulded cable.
Speed restrictor with silencer.

Ordering example: 341N04 - 496131 - 230/50 (Valve - Coil - Voltage)



3/2 - Monostable

Port size (G")	Orifice (mm)	Flow factor (l/min)	Pressure drop Δ p (bar)			Media temperature		Sealing	Valve	Housing / Conne- ction	Coil	Power (W)		Coil group	Fig	
			Qn	Min	Max		Min °C					Max °C	AC			DC
					AC	DC										
1/4	7	1250	2,5	10	10	-10	+50	Nitril	331N03	DIN	496131	3	3	1.2	A	
1/2	12	3000	2	10	10	-10	+50	Nitril	331N04	DIN	496131	3	3	1.2	B	
	12	3000	2.5	10	10	-10	+50	Nitril	331N34	DIN	481865	8	9	2.1	C	

5/2 - Monostable

Port size (G")	Orifice (mm)	Flow factor (l/min)	Pressure drop Δ p (bar)				Media temperature		Sealing	Valve	Housing / Conne- ction	Coil	Power (W)		Coil group	Fig
			Qn	Min	Max		Min °C	Max °C					AC	DC		
		AC			DC											
1/4	7	1250	2,5	10	10	-20	+50	Nitril	341N03	DIN	496131	3	3	1.2	D	
	7	1250	2,5	10	10	-10	+50	Nitril	341N05*	DIN	496131	3	3	1.2	E	
	7	1200	2,5	10	10	-10	+50	Nitril	341N35*	DIN	481865	8	9	2.1	F	
	7	1200	2,5	10	10	-10	+50	Nitril	341N3502**	DIN	481865	8	9	2.1	F	
1/2	12	3000	2	10	10	-10	+50	Nitril	341N04	DIN	496131	3	3	1.2	R	
	12	3000	2,5	10	10	-20	+50	Nitril	341N34	DIN	481865	8	9	2.1	H	

*Vändbar bottenplatta för ändring av funktion 3/2 alt. 5/2. ** Ventil utan handmanöver.

5/2 - Bistable

Port size (G")	Orifice (mm)	Flow factor (l/min)	Pressure drop Δ p (bar)			Media temperature		Sealing	Valve	Housing / Conne- ction	Coil	Power (W)		Coil group	Fig
			Qn	Min	Max		Min °C					Max °C	AC		
		AC			DC										
1/4	7	1250	2,5	10	10	-20	+50	Nitril	347N03	DIN	496131	3	3	1.2	I
	7	1250	2,5	10	10	-20	+50	Nitril	347N33	DIN	481865	8	9	2.1	J
1/2	12	3000	2,5	10	10	-20	+50	Nitril	347N04	DIN	496131	3	3	1.2	K
	12	3000	2,5	10	10	-20	+50	Nitril	347N34	DIN	481865	8	9	2.1	L

5/2 - Monostable air operated

Port size (G")	Orifice (mm)	Flow factor (l/min)	Pressure drop Δ p (bar)			Media temperature		Sealing	Valve	Housing / Conne- ction	Coil	Power (W)		Coil group	Fig	
			Qn	Min	Max		Min °C					Max °C	AC			DC
					AC	DC										
1/4	7	1250	1,5	10	10	-10	+50	Nitril	541N03	-	-	-	-	-	M	
	12	3000	2,5	10	10	-10	+50	Nitril	541N04	-	-	-	-	-	N	

5/3 - Monostable closed centered position

Port size (G")	Orifice (mm)	Flow factor (l/min)	Pressure drop Δ p (bar)				Media temperature		Sealing	Valve	Housing / Conne- ction	Coil	Power (W)		Coil group	Fig
			Qn	Min	Max		Min °C	Max °C					AC	DC		
		AC			DC											
1/4	7	1250	3	10	10	-20	+50	Nitril	342N03	DIN	496131	3	3	1.2	O	
	7	1250	2,5	10	10	-20	+50	Nitril	342N33	DIN	481865	8	9	2.1	P	

5/3 - Monostable exhausted centered position

Port size (G")	Orifice (mm)	Flow factor (l/min)	Pressure drop Δ p (bar)			Media temperature		Sealing	Valve	Housing / Conne- ction	Coil	Power (W)		Coil group	Fig
			Min	Max		Min °C	Max °C					AC	DC		
				AC	DC										
1/4	7	1250	3	10	10	-20	+50	Nitril	343N03	DIN	496131	3	3	1.2	O

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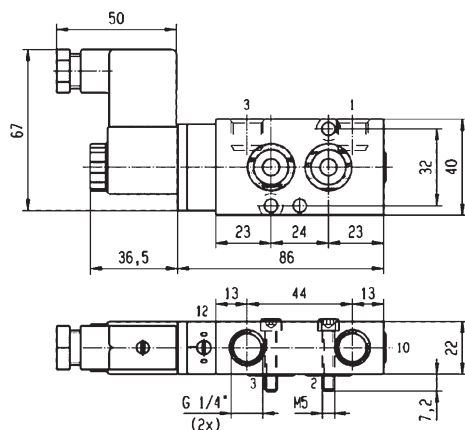


Fig A

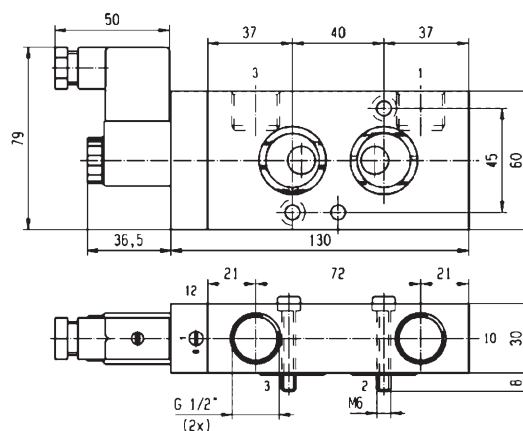


Fig B

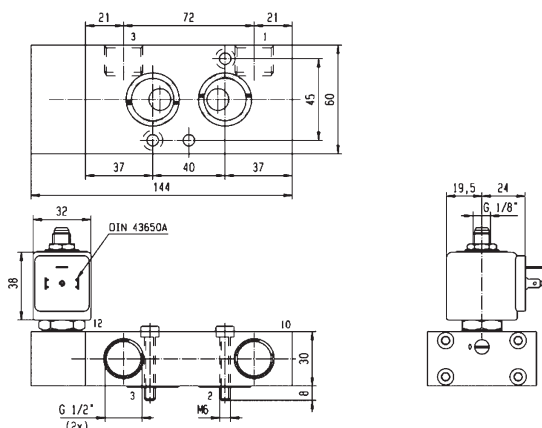


Fig C

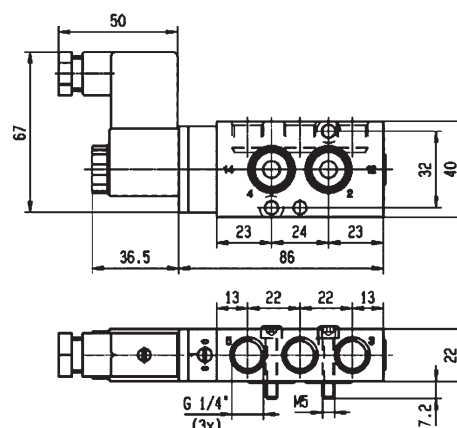


Fig D

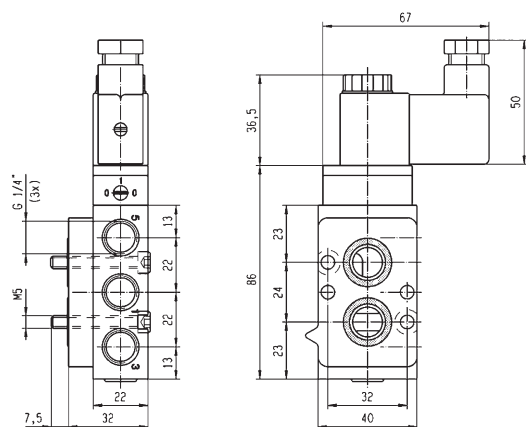


Fig E

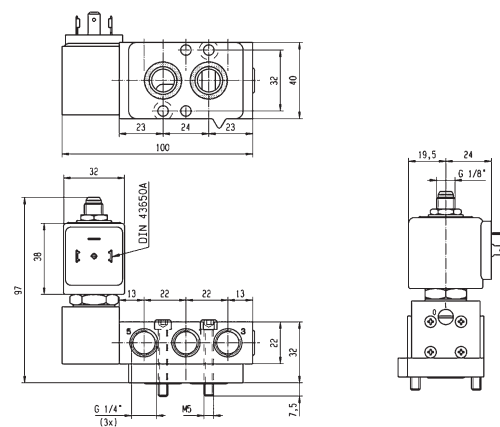


Fig F

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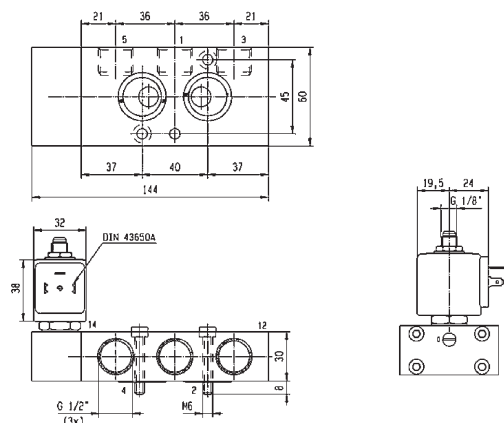


Fig H

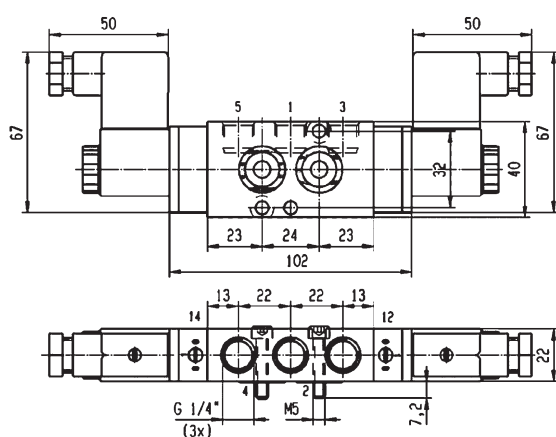


Fig 1

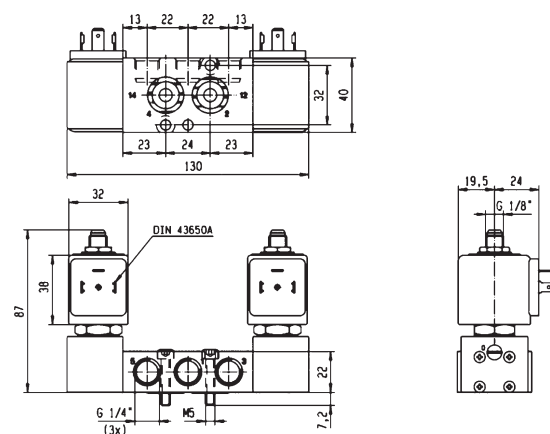


Fig J

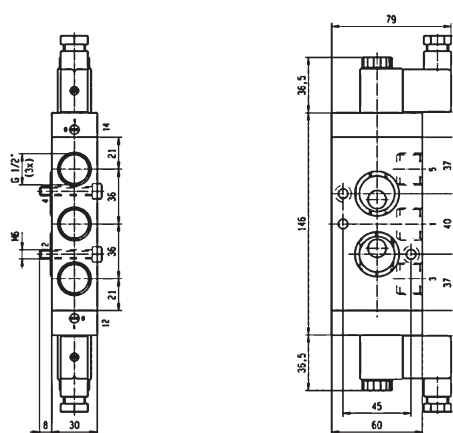


Fig K

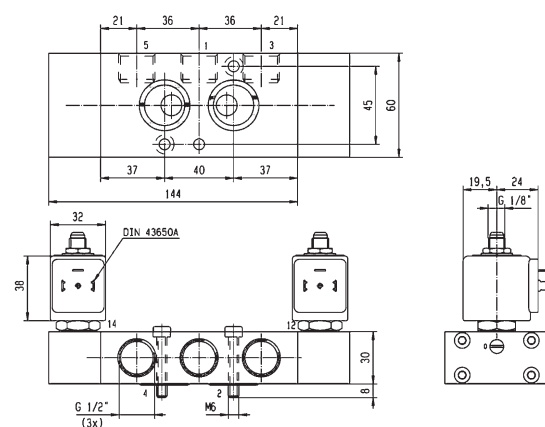


Fig L

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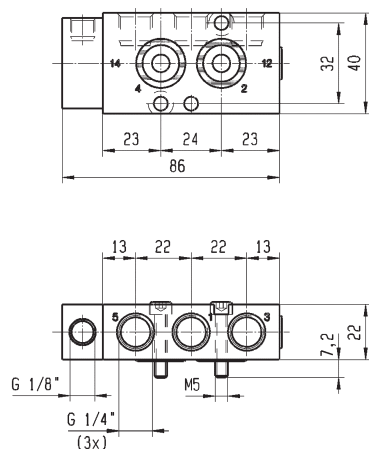


Fig M

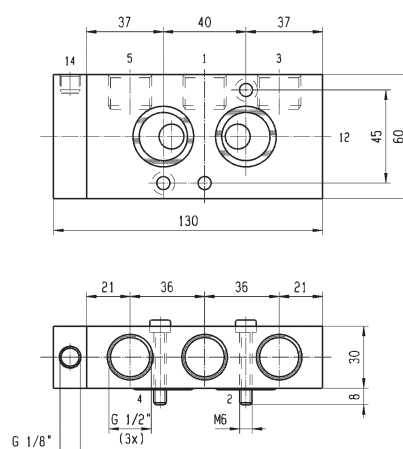


Fig N

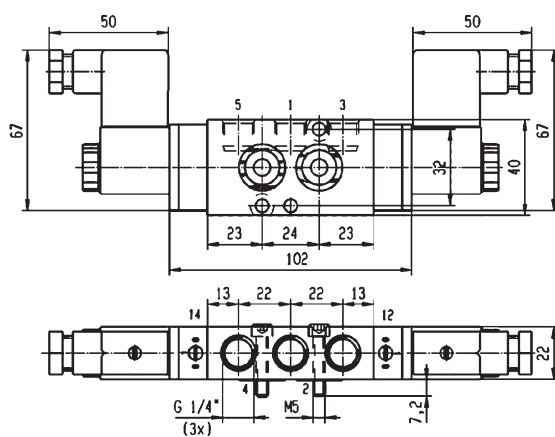


Fig O

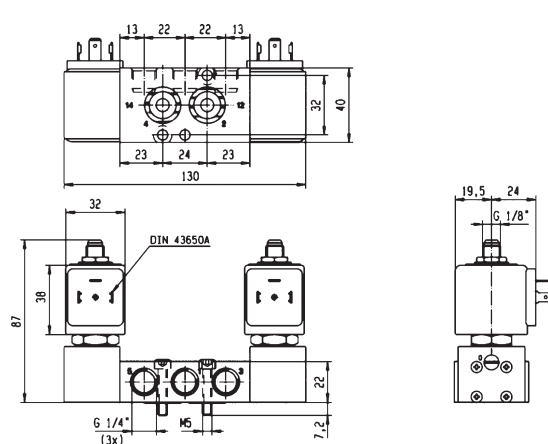


Fig P

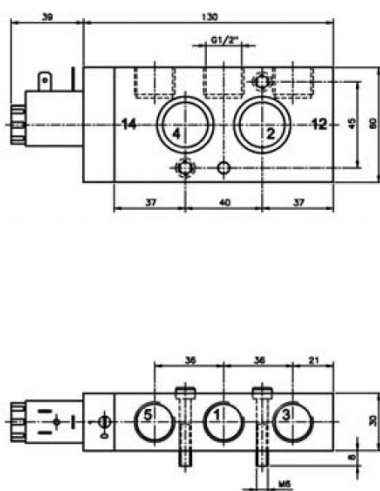


Fig R

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