

Solenoid valves for actuator control

5/2

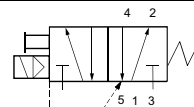
Applications

3- or 4-way directional valves for control of single or double acting pneumatic actuators.



Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar		Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			

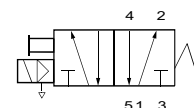
Pilot operated - Integrated pilot



Anod. aluminium body/Pipe mounting - Spool design

1/8	4	600	2	10	10	-25	80	NBR	2341PAG1JNM0	341P01	1	8993	488980	2.5	2	310	1	201
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Pilot operated



Anod. aluminium body/Pipe mounting - Spool design

1/8	4	600	2	10	10	-25	80	NBR	7341PAG1JNM0	341P21		2995	481865	9	8	360	2	202
	4	600	2	10	10	-25	80	NBR				4270	481000	8	8	470	2	
	4	600	2	10	10	-40	65	NBR	7341PAG1JPM0	341P2108	2	2995	481865	9	8	360	2	202
	4	600	2	10	10	-40	65	NBR				4270	481000	8	8	470	2	
	4	600	2	10	-	-25	80	NBR	7341PAG1JNL2	341P2180		2995	482740	1.6	-	470	6	202
	4	600	2	10	-	-25	80	NBR	7341PAG1JN90	341P2190		-	483580.01	3	0.4	-	470	7351

Table continued on page 240

Notes:

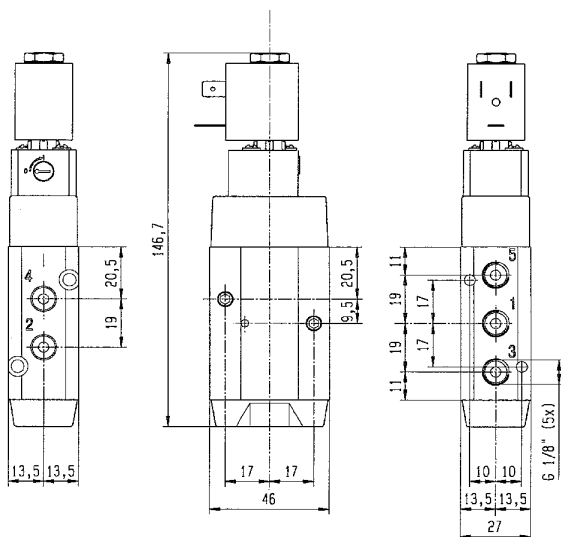
* See Electrical Parts Group table at end of section

1. Manual override standard

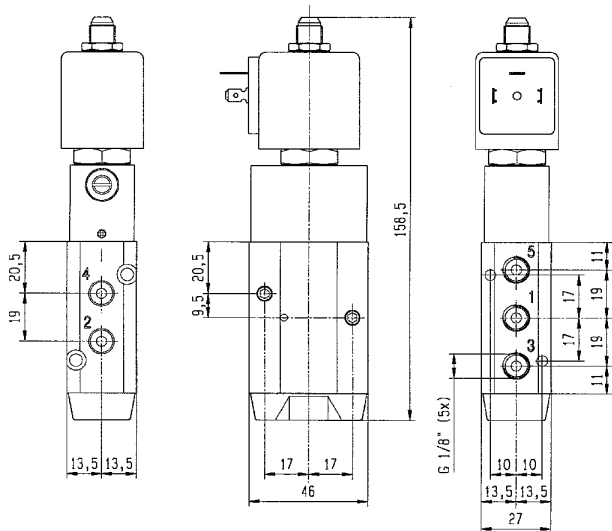
2. Operates with low temperatures down to -40 deg. C

3. Other coil-housing available: 488650.01, 488660.01, 488670.01 (refer to electrical parts at end of this section)

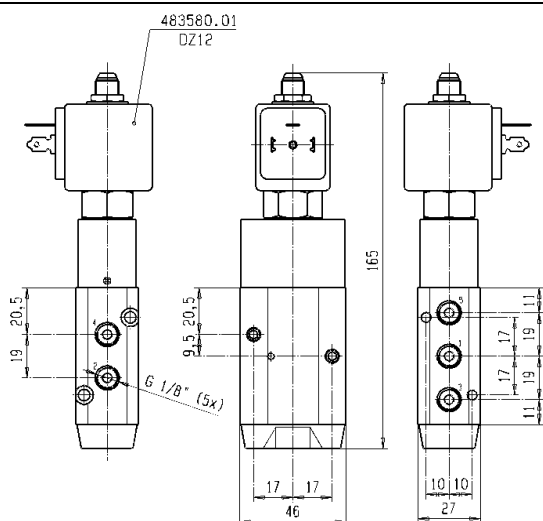
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Dimension reference 201



Dimension reference 202



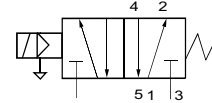
Dimension reference 7351



Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)	Wt. (g)	El. Part Group *	Dim ref.
			Min	Max	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC		

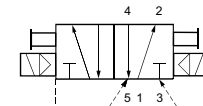
Pilot operated



Anod. aluminium body/Pipe mounting - Spool design

1/8	4	600	2	10	10	-25	65	NBR	7341PAG1JN1D	341P21001D	-	483250	8	8	1450	5	7636
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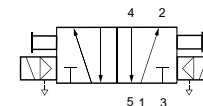
Two solenoids and main pressure supply - Integrated pilot



Anod. aluminium body/Pipe mounting - Spool design

1/8	4	400	2	10	10	-25	80	NBR	2347PAG1HNM0	347P01	8993	488980	1	2.5	2	460	1	207
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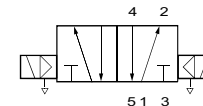
Two solenoids and main pressure supply



Anod. aluminium body/Pipe mounting - Spool design

1/8	4	400	2	10	10	-25	80	NBR	7347PAG1HNM0	347P21	2995	481865	1	9	8	500	2	206
	4	400	2	10	10	-25	80	NBR			4270	481000	1	8	8	720	2	

Two solenoids and main pressure supply



Anod. aluminium body/Pipe mounting - Spool design

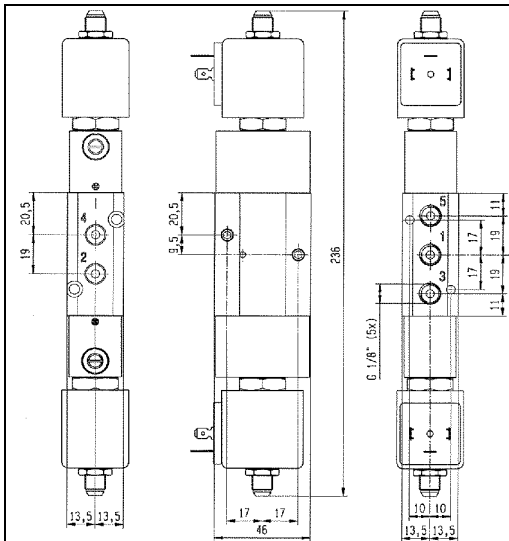
1/8	4	400	2	10	-	-25	80	NBR	7347PAG1HN90	347P2190	-	483580.01	2	0.4	-	720	7	206
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Table continued on page 242

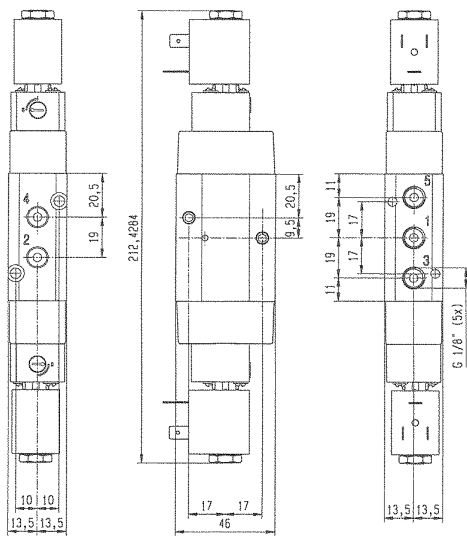
Notes:

- * See Electrical Parts Group table at end of section
- 1. Please order two housings and coils for each valve
- 2. Other coil-housing available: 488650.01, 488660.01, 488670.01 (refer to electrical parts at end of this section)

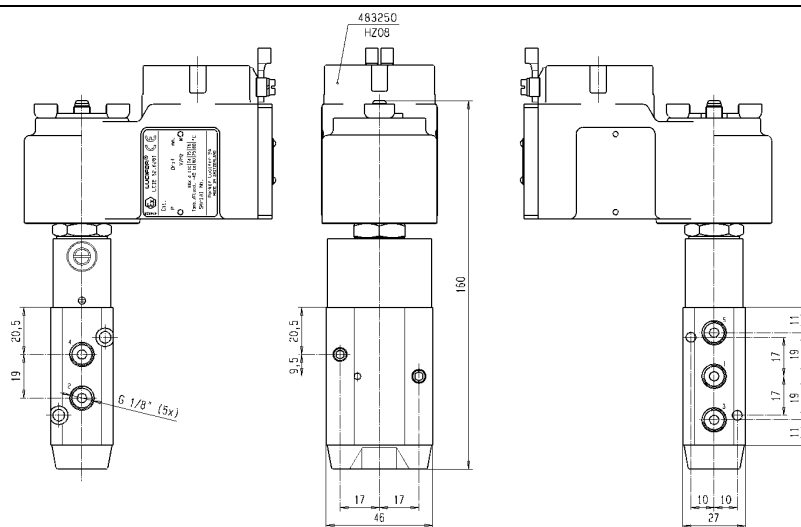
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Dimension reference 206



Dimension reference 207

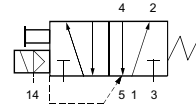


Dimension reference 7636

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)	Wt. (g)	El. Part Group *	Dim ref.
			Min	Max	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC		
G		Qn														

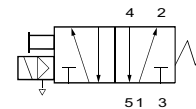
Pilot operated with external pressure supply



Anod. aluminium body/Pipe mounting - Spool design

1/8	4	600	2	10	10	-40	65	NBR	7441PAG1JPM0	441P2108	1	2995	481865	9	8	360	2	204
	4	600	2	10	10	-40	65	NBR				4270	481000	8	8	470	2	

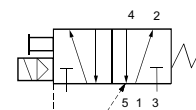
Impulse coil



Anod. aluminium body/NAMUR interface - Spool design

1/8	4	600	2	-	10	-25	80	NBR	7345PAG1JNM0	345P21	-	484990	-	11	330	4	202
	4	600	2	10	-	-25	80	NBR			-	485400	13	-	330	4	

Pilot operated - Integrated pilot



Anod. aluminium body/Pipe mounting - Spool design

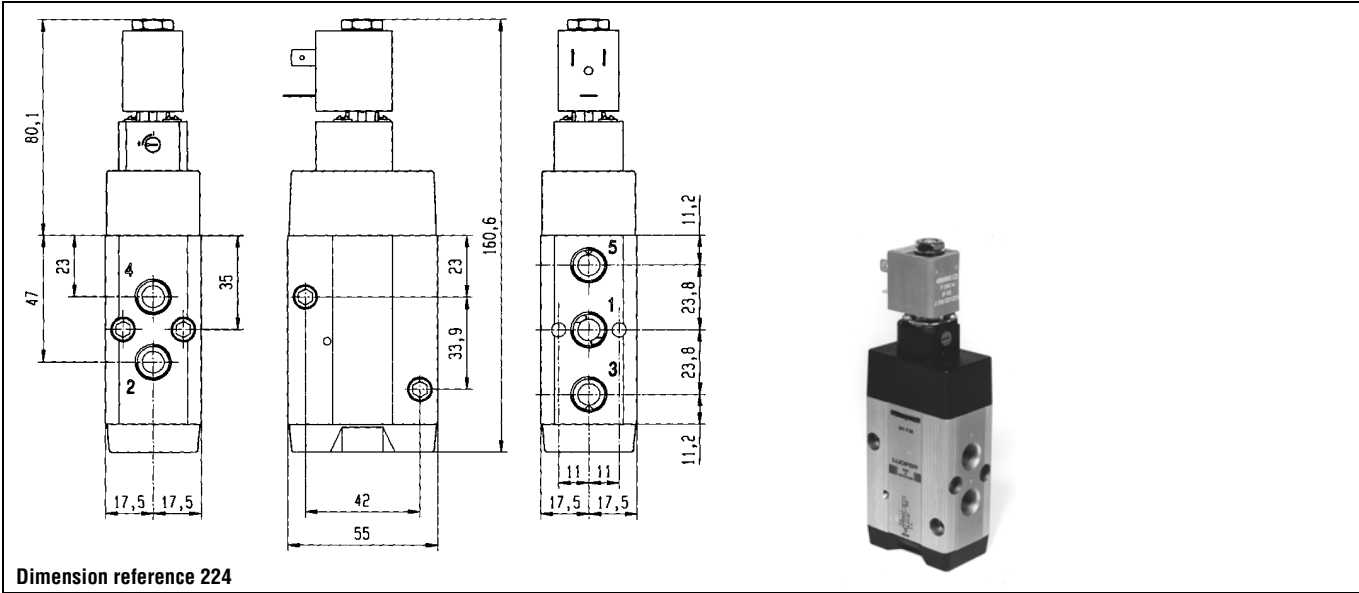
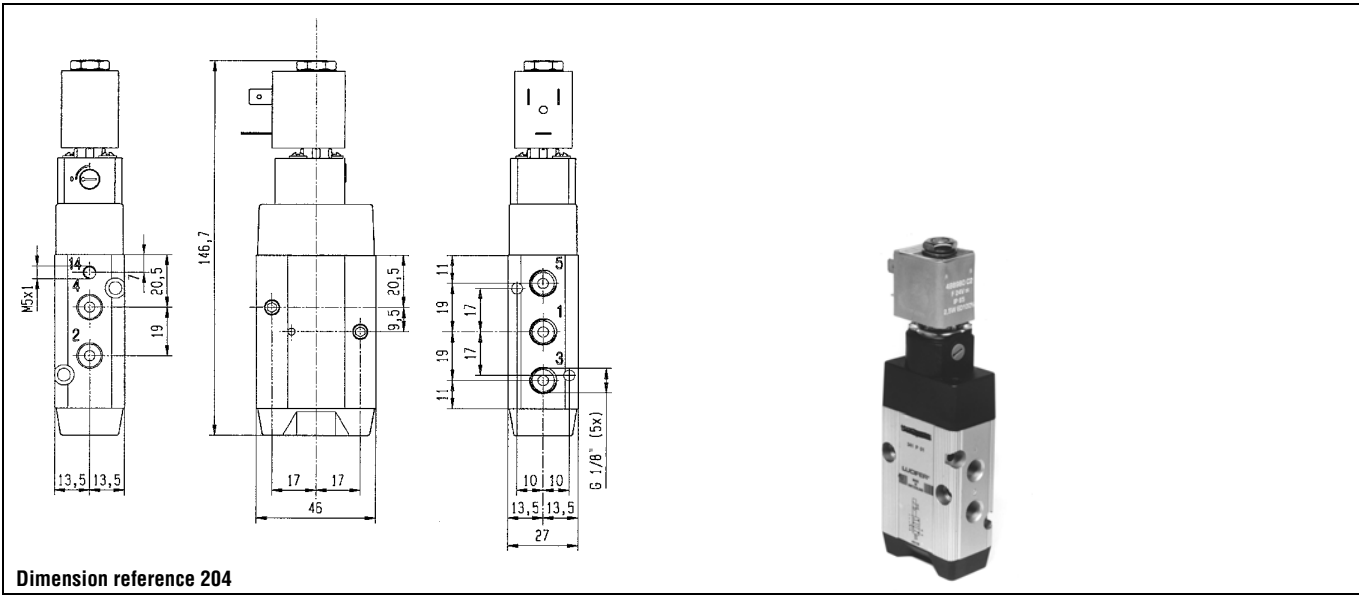
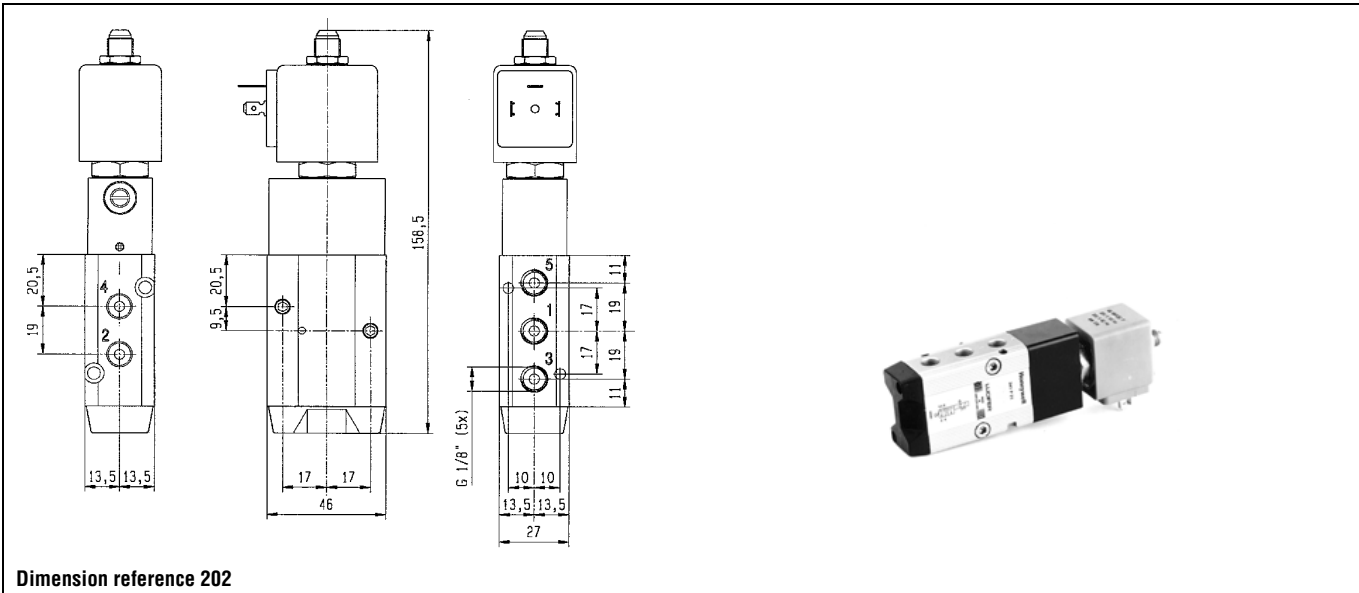
1/4	8	1400	2	10	10	-25	80	NBR	2341PAG2HNM0	341P02		8993	488980	2.5	2	380	1	224
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Table continued on page 244

Notes:

- * See Electrical Parts Group table at end of section
- 1. Operates with low temperatures down to -40 deg. C

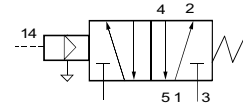
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil		DC	AC			
G		Qn																

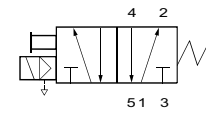
External pressure supply



Anod. aluminium body/NAMUR interface - Spool design

1/8	4	600	2	10	10	-40	65	PUR	7541PAG1JP00	541P0108	1	-	-	-	-	270	-	205
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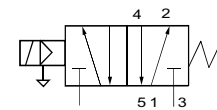
Pilot operated



Anod. aluminium body/Pipe mounting - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	7341PAG2PNM0	341P22	2995	481865	9	8	450	2	218
	8	1400	2	10	10	-25	80	NBR			4270	481000	8	8	560	2	
	8	1400	2	10	-	-25	80	NBR	7341PAG2PNL2	341P2280	2995	482740	1.6	-	450	6	218
	8	1400	2	10	-	-25	80	NBR			-	491117	2.5	-	810	6	

Pilot operated



Anod. aluminium body/Pipe mounting - Spool design

1/4	8	1400	2	10	-	-25	80	NBR	7341PAG2PN90	341P2290	-	483580.01	2	0.4	-	560	7	218
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Table continued on page 246

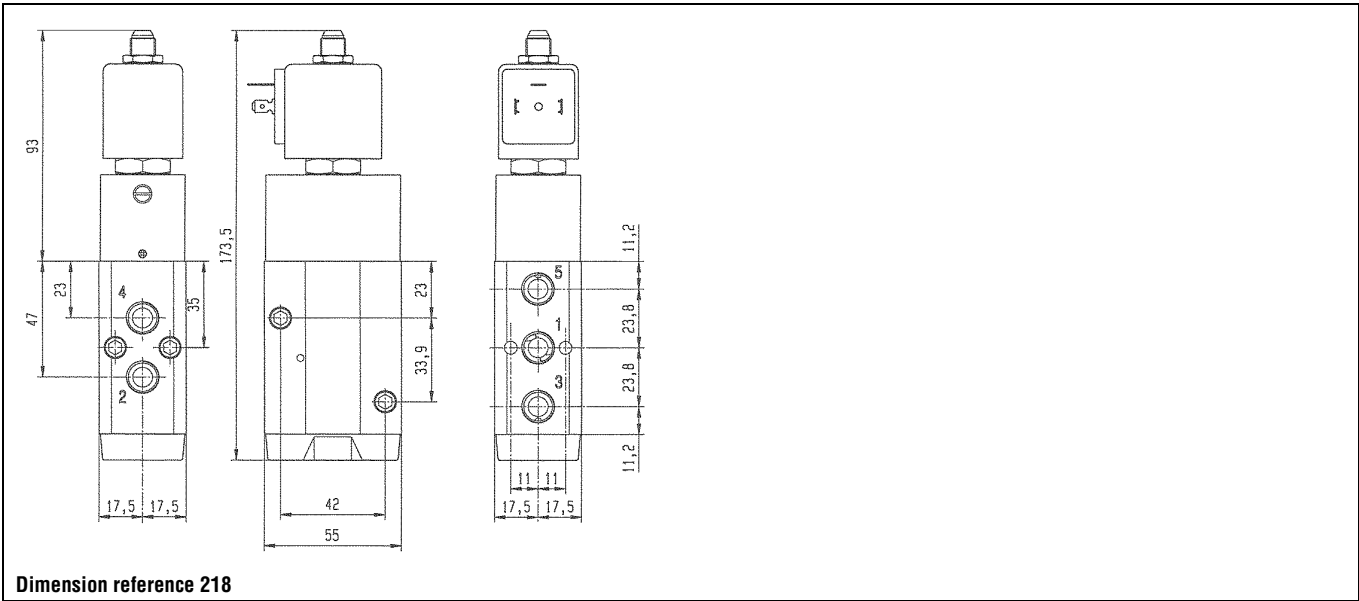
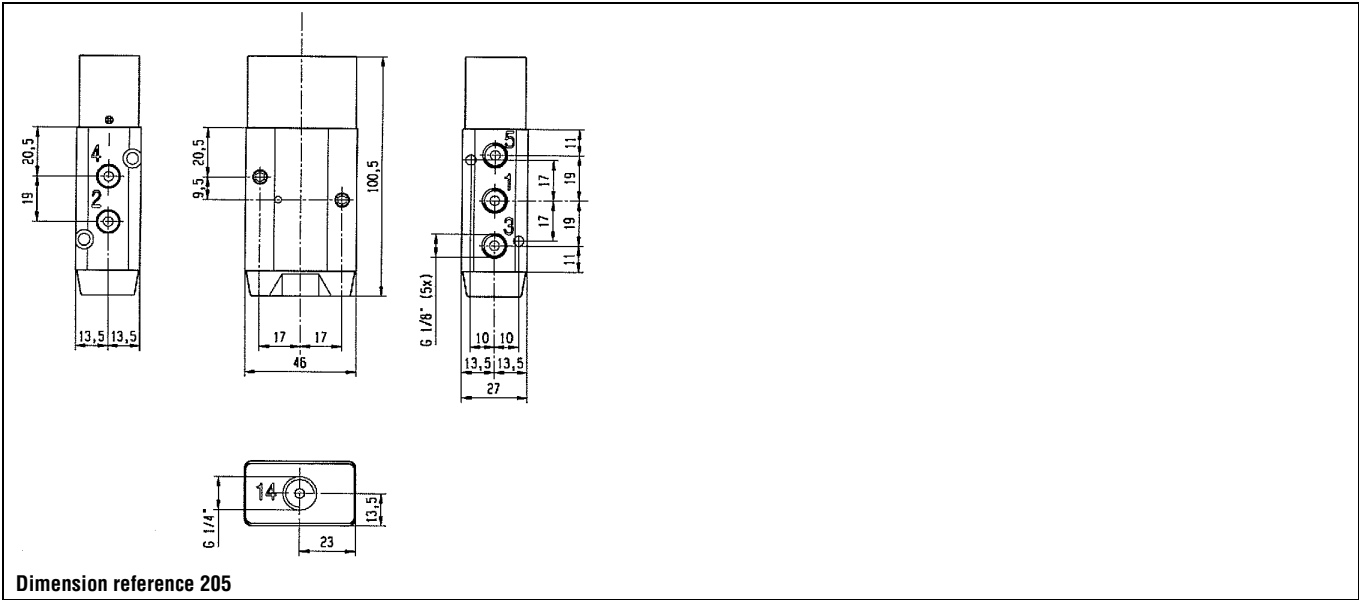
Notes:

* See Electrical Parts Group table at end of section

1. Operates with low temperatures down to -40 deg. C

2. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

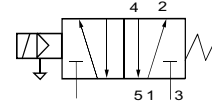
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC			

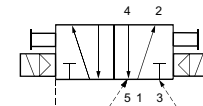
Pilot operated



Anod. aluminium body/Pipe mounting - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	7341PAG2PN1D	341P22001D	-	483250	8	8	1450	5	7755
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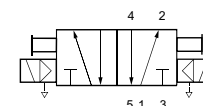
Two solenoids and main pressure supply - Integrated pilot



Anod. aluminium body/Pipe mounting - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	2347PAG2PNM0	347P02	8993	488980	1	2.5	2	450	1	225
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Two solenoids and main pressure supply



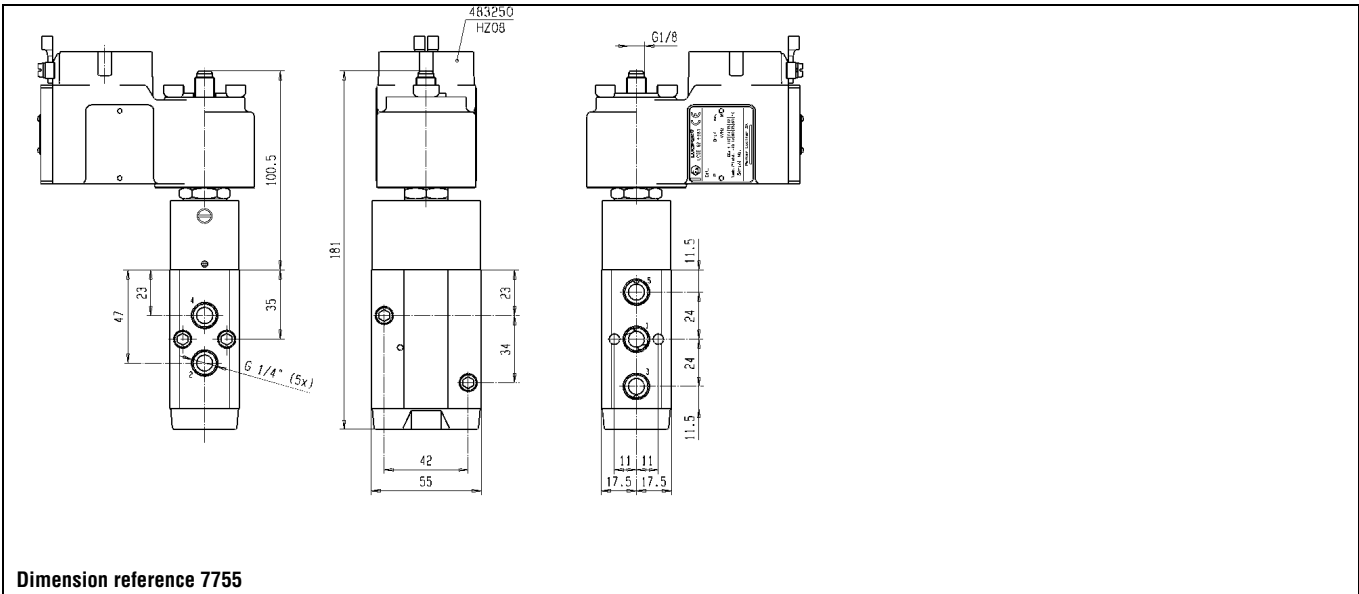
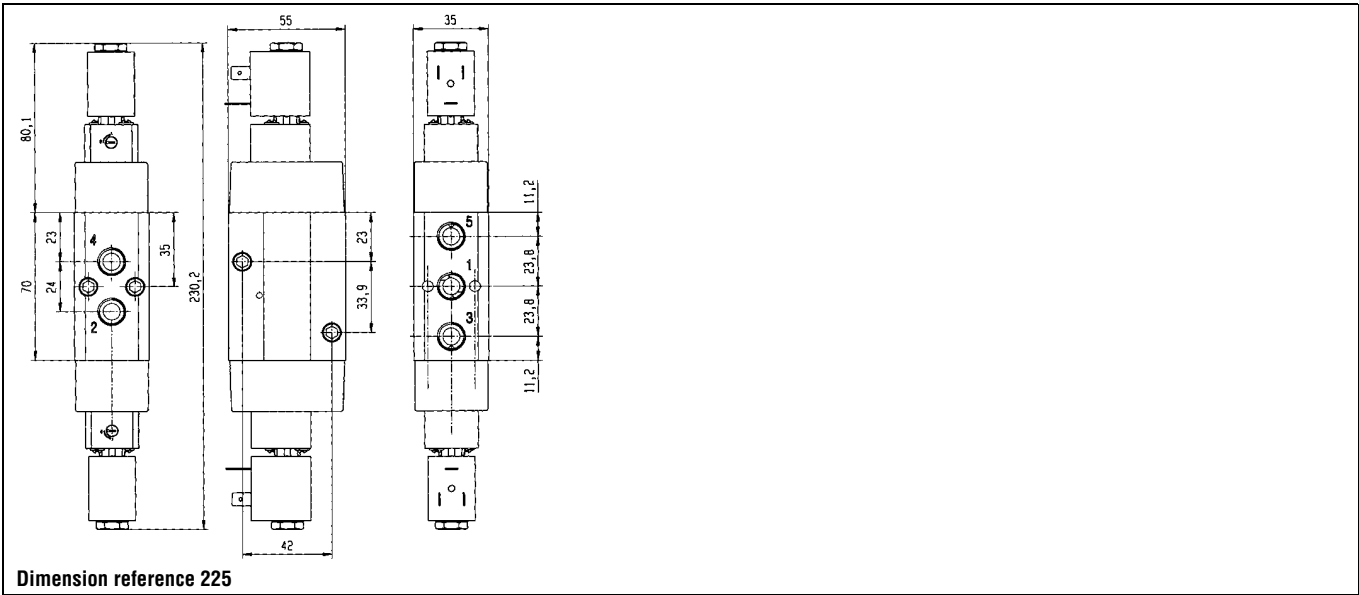
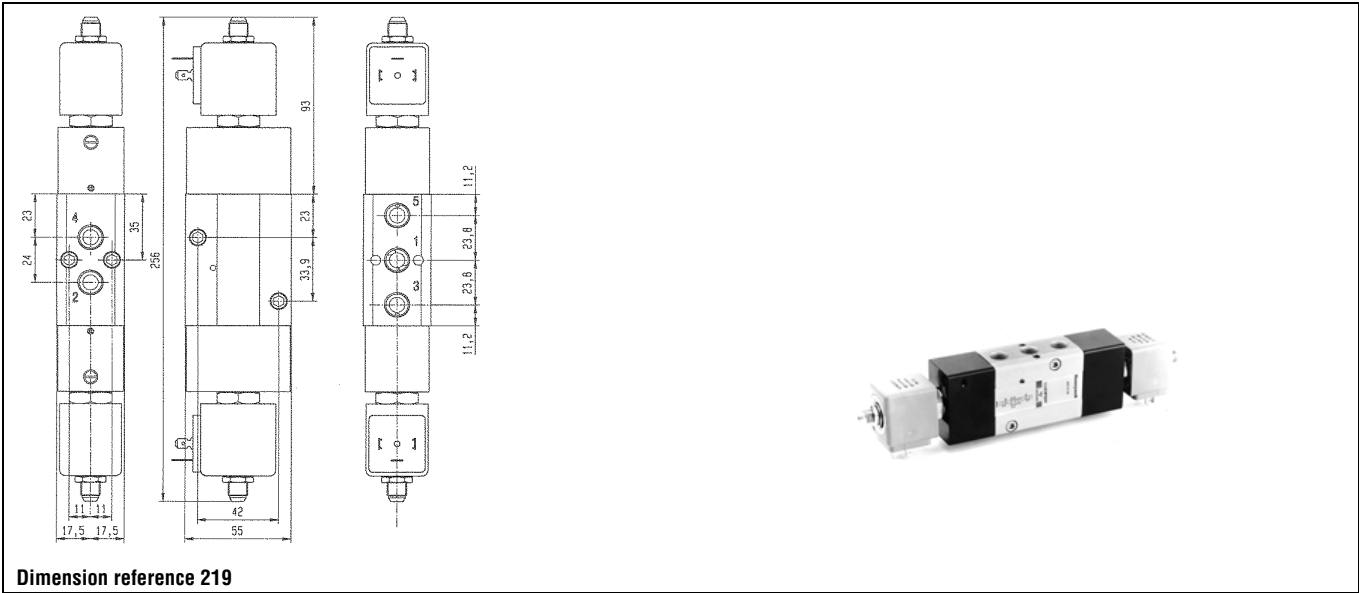
Anod. aluminium body/Pipe mounting - Spool design

1/4	8	1400	2	10	10	-25	80	NBR	7347PAG2PNM0	347P22	2995	481865	1	9	8	590	2	219
	8	1400	2	10	10	-25	80	NBR			4270	481000	1	8	8	810	2	

Notes:

- * See Electrical Parts Group table at end of section
- 1. Please order two housings and coils for each valve

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Spool design



Solenoid valves for actuator control

Applications

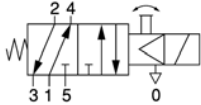
3- or 4-way directional valves for control of single - or double acting pneumatic actuators.



5/2

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil		DC	AC			
G		Qn																

Pilot operated



Aluminium alloy and brass body/Pipe mounting - Poppet design

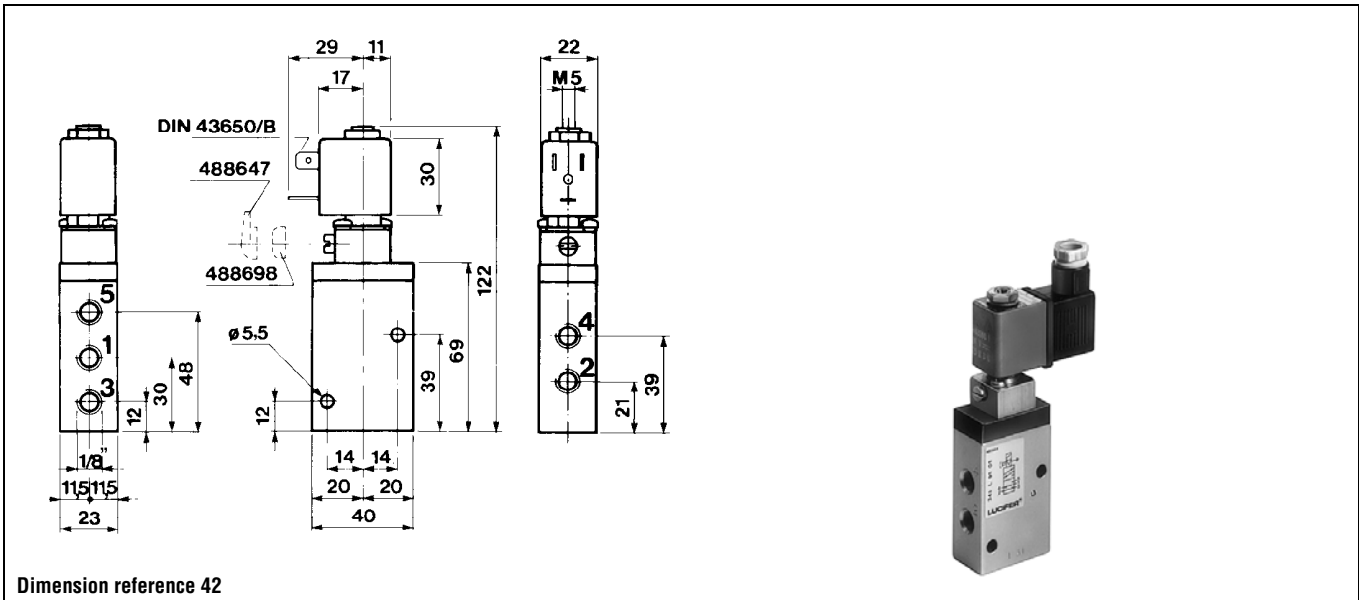
1/8	4	400	1	10	10	-10	75	NBR	-	341L9101	8993	488980	2.5	2	270	1	42
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Table continued on page 250

Notes:

* See Electrical Parts Group table at end of section

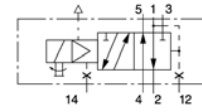
Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design



Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				Power consumption (W)	Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil	DC	AC		
G		Qn		DC	AC											

Pilot operated



Die-cast zinc body/Pipe mounting - Poppet design

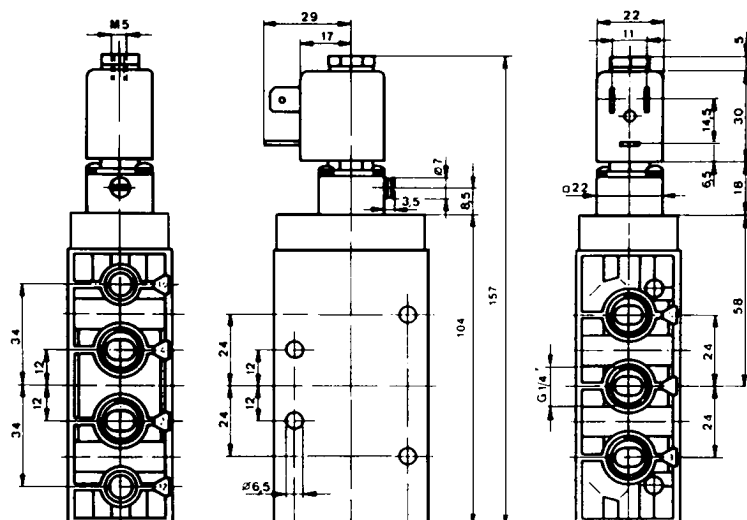
1/4	8	1400	1	10	10	-10	75	NBR	-	341L11	8993	488980	2.5	2	690	1	118
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Table continued on page 252

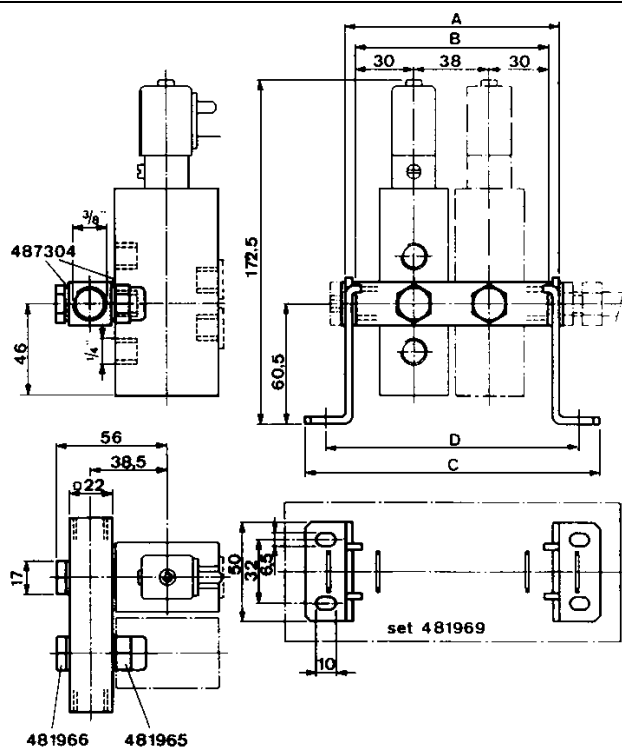
Notes:

* See Electrical Parts Group table at end of section

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design



Dimension reference 118



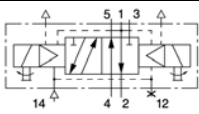
Quantity of valves by assembly	Feeder Ref.	A mm	B mm	C mm	D mm	Sealing 487304	Screw 481966	Set No. 481969
2	481964.02	108	98	149	128	4	2	1
3	481964.03	146	136	187	166	6	3	1
4	481964.04	184	174	225	204	8	4	1
5	481964.05	222	212	263	242	10	5	1
6	481964.06	260	250	301	280	12	6	1
7	481964.07	298	288	339	318	14	7	1
8	481964.08	336	326	377	356	16	8	1
9	481964.09	374	364	415	394	18	9	1
10	481964.10	412	402	453	432	20	10	1

Associated sub-base diagram

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max		Min	Max		Global valve reference	Valve reference no.	Housing	Coil		DC	AC			
G		Qn		DC	AC													

Two solenoids and main pressure supply



Die-cast zinc body/Pipe mounting - Poppet design

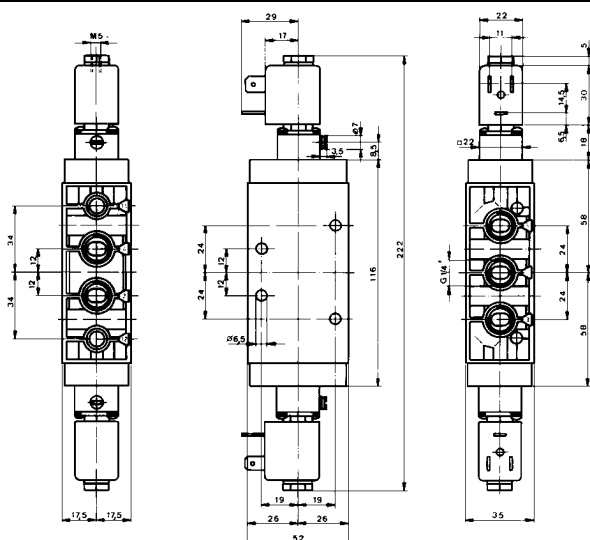
1/4	8	1400	1	10	10	-10	75	NBR	-	347L11	8993	488980	1	2.5	2	750	1	46
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Table continued on page 254

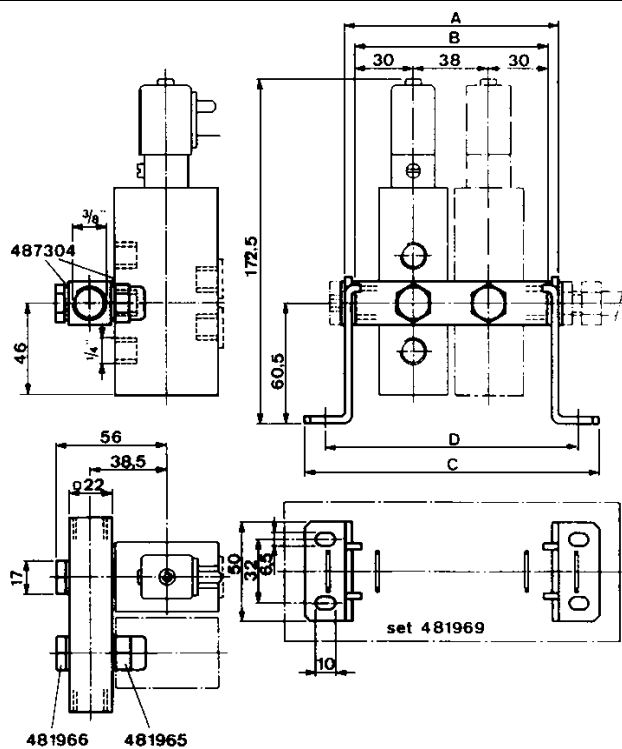
Notes:

- * See Electrical Parts Group table at end of section
- 1. Please order two housings and coils for each valve

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design



Dimension reference 46



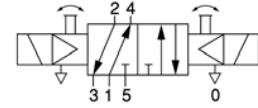
Quantity of valves by assembly	Feeder Ref.	A mm	B mm	C mm	D mm	Sealing 487304	Screw 481966	Set No. 481969
2	481964.02	108	98	149	128	4	2	1
3	481964.03	146	136	187	166	6	3	1
4	481964.04	184	174	225	204	8	4	1
5	481964.05	222	212	263	242	10	5	1
6	481964.06	260	250	301	280	12	6	1
7	481964.07	298	288	339	318	14	7	1
8	481964.08	336	326	377	356	16	8	1
9	481964.09	374	364	415	394	18	9	1
10	481964.10	412	402	453	432	20	10	1

Associated sub-base diagram

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure bar			Fluid temp. °C		Seat disc	Reference numbers				OR	Power consumption (W)		Wt. (g)	El. Part Group *	Dim ref.
			Min	Max	AC	Min	Max		Global valve reference	Valve reference no.	Housing	Coil		DC	AC			
G		Qn																

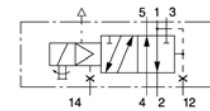
Two solenoids and main pressure supply



Aluminium alloy and brass body/Pipe mounting - Poppet design

1/8	4	315	2	10	10	-10	75	NBR	-	347L9101	8993	488980	1	2.5	2	430	1	117
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Pilot operated



Die-cast zinc body/Pipe mounting - Poppet design

1/4	8	1400	1	10	10	-10	75	NBR	7341LMG2NNM0	E341L1130	2995	481865	9	8	-	2	3539
	8	1400	1	10	10	-10	75	NBR	7341LMG2NNM0		4270	481000	8	8	-	2	3539
	8	1400	1	10	10	-10	75	NBR	-	341L1190	-	483580.01	2	0.4	-	690	7478

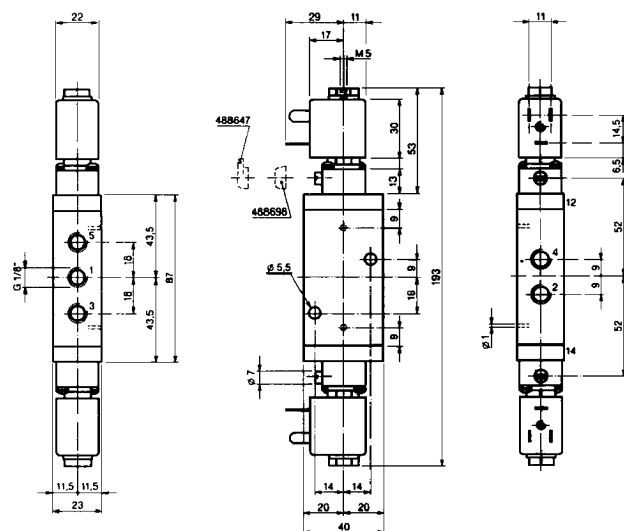
Notes:

* See Electrical Parts Group table at end of section

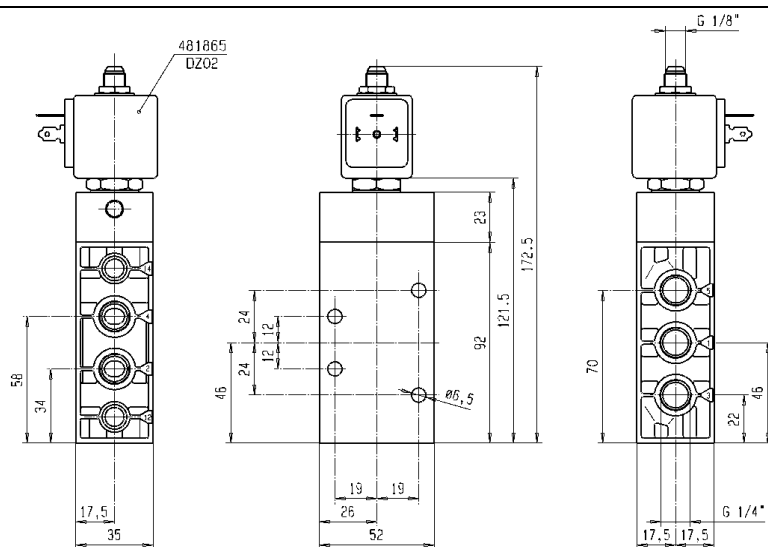
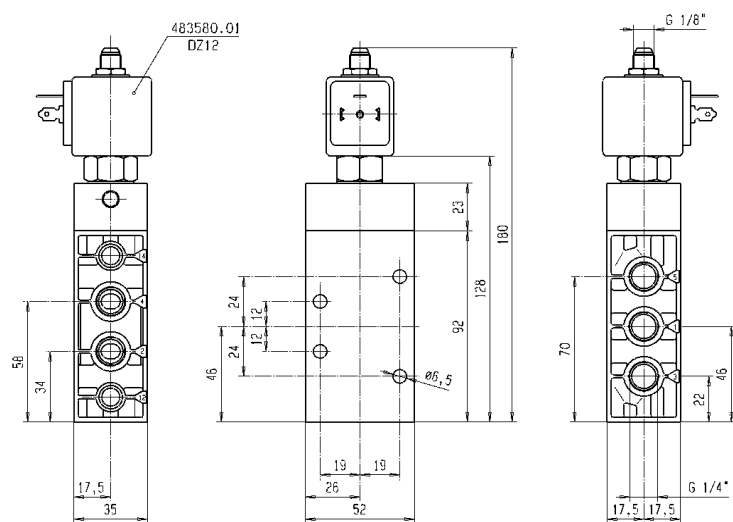
1. Please order two of these items per valve

2. Other coil-housing available: 488650.01, 488660.01, 4888670.01 (refer to electrical parts at end of this section)

Solenoid valves for actuator control - 5/2 valves - Pipe connection-Poppet design



Dimension reference 117

**Dimension reference 3539**

Dimension reference 7478