

Valves for oil (hydraulic) and neutral liquids applications (max. 75 bar)

3/2

ACTUATION	BODY MATERIAL	FUNCTION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR)	PAGE
Direct operated	Brass body	Normally closed	1/4	0.8	75.0	176
		Universal	1/4	0.8	30.0	176
	303 Stainless steel body	Normally closed	1/4	0.8	40.0	176
Pilot operated	Anod. aluminium body	Normally closed	1/4	8	40.0	178
		Normally open	1/4	8	40.0	178

Notes:

Direct operated valves: pressure range from 0 to max pressure.

Pilot operated valves: pressure range from 0.3 to 0.5 bar to max. pressure (refer to tables).

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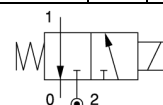
3/2



Direct operated

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				Global valve reference	Valve reference no.		Housing					
G		kv	Qmax		DC	AC									DC	AC	

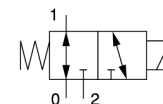
Normally closed



Brass body/Pipe mounting

1/4	0.8	0.3	2	0	40	40	75	PCTFE	7131KBG2BF00	131K05	4270	481000	8	8	430	2	17
	0.8	0.3	2.5	0	-	75	130	Ruby	7131KBG2BR00	131K65	4270	481000	-	8	430	2	17
	0.8	0.3	2.5	0	75	-	140	Ruby			4270	486265	14	-	440	2	

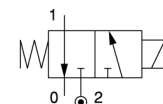
Universal



Brass body/Pipe mounting

1/4	0.8	0.3	1.6	0	30	30	100	FKM	7133KBG2BV00	E133K05	2995	481865	9	8	310	2	17
	0.8	0.3	1.6	0	30	30	120	FKM			4270	481000	8	8	430	2	

Normally closed



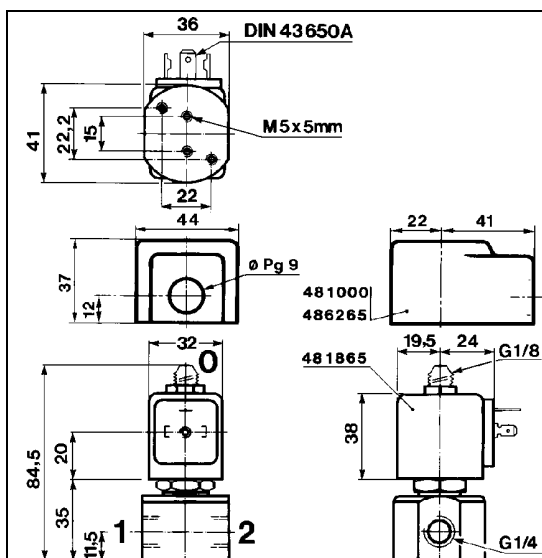
303 Stainless steel body/Pipe mounting

1/4	0.8	0.3	2	0	40	40	100	Ruby	7131WVG2BR00	131V65	2995	481865	9	8	410	2	16
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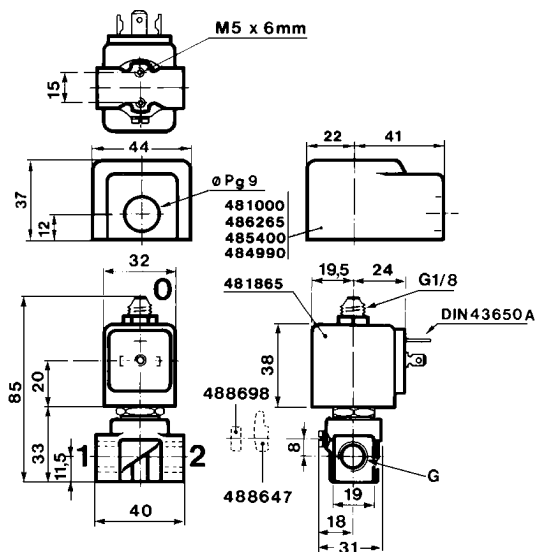
Notes:

* See Electrical Parts Group table at end of section

Valves for oil (hydraulic) and neutral liquids 3/2 - Direct operated



Dimension reference 16



Dimension reference 17



Valves for oil (hydraulic) and neutral liquids applications (max. 75 bar)

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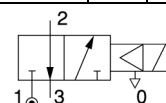


Pilot operated

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.
								Global valve reference	Valve reference no.	Housing	Coil					
G		kv	Qmax	Min	Max							DC	AC			

Anod. aluminium body/Pipe mounting

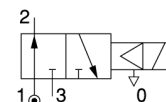
Normally closed



1/4	8	10	10	1	40	40	75	NBR	7331BAG2KN00	331B02	1	2995	481865	9	8	880	2	23
	8	10	10	1	40	40	75	NBR				4270	481000	8	8	1000	2	

Anod. aluminium body/Pipe mounting

Normally open

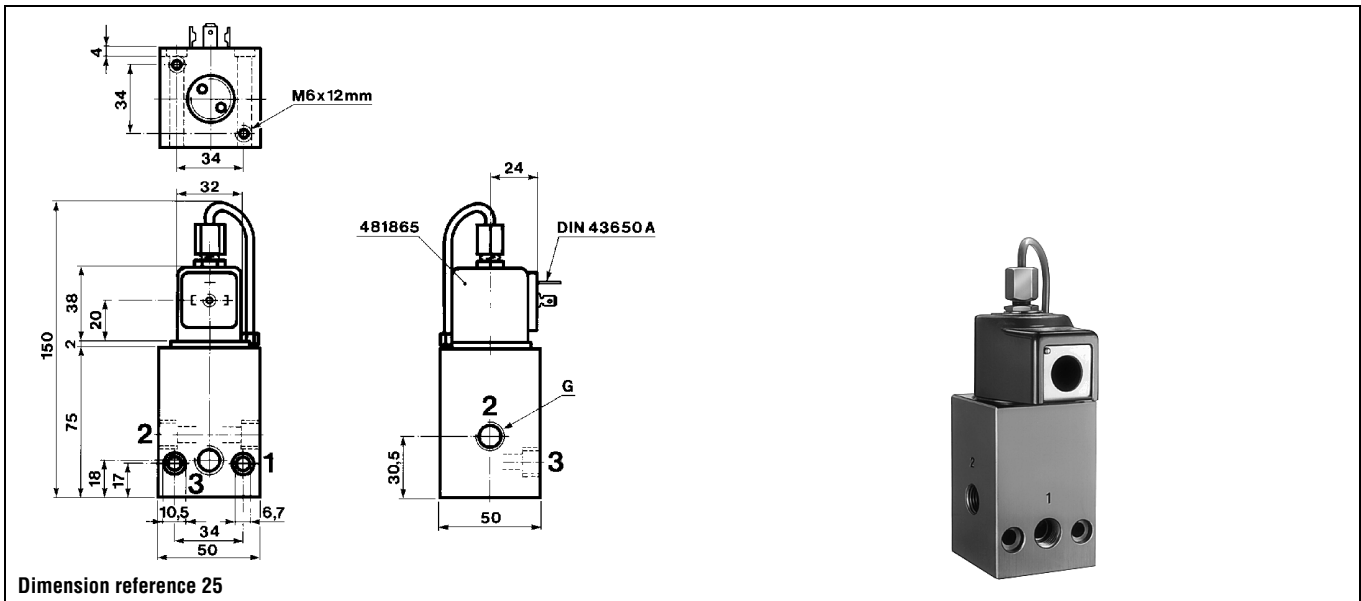
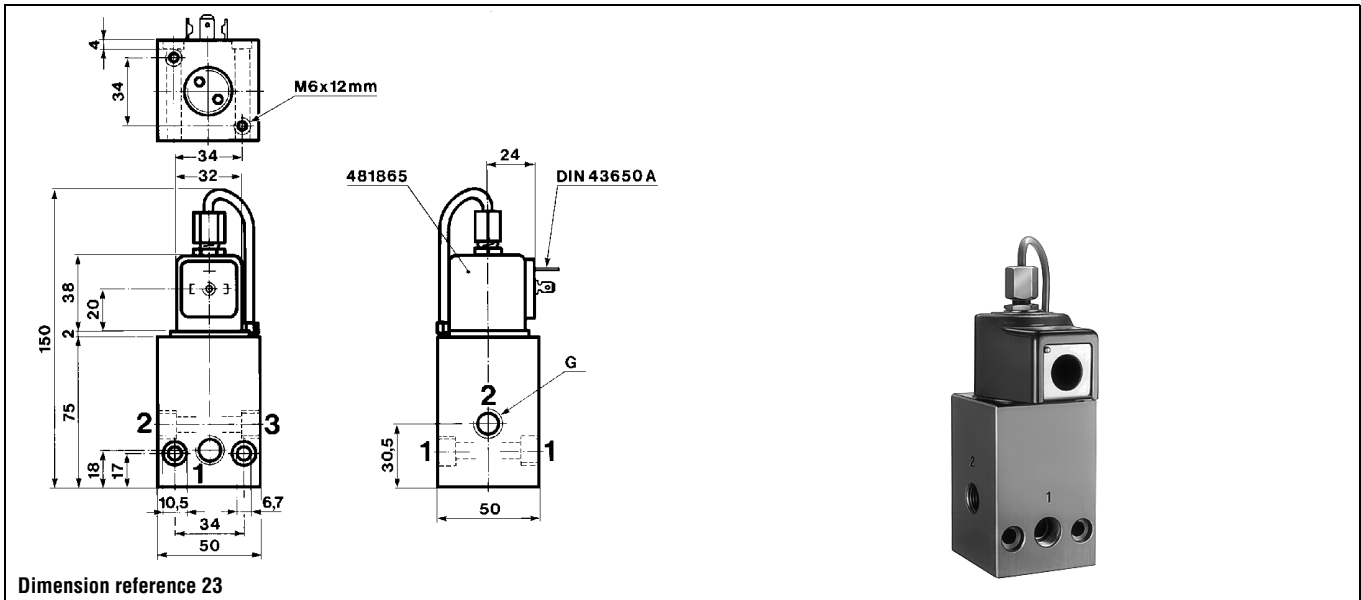


1/4	8	10	10	1	40	40	75	NBR	7332BAG2KN00	332B02	1	2995	481865	9	8	880	2	25
	8	10	10	1	40	40	75	NBR				4270	481000	8	8	1000	2	

Notes:

- * See Electrical Parts Group table at end of section
- 1. Pilot seat discs from Kel-F (PCTFE); valve with pilot return pipe

Valves for oil (hydraulic) and neutral liquids 3/2 - Pilot operated



Electrical parts options with 3/2 valves for oil (hydraulic) and neutral liquids

El. part Group	Coil	Protection class	Protection class / Temperature class	Power		Coil Order No.	Coil Ref. No.	Connection	Housing Order No.	Housing Ref. No.	Ambient temp.	
				DC	AC						min.	max.
1	22 mm	IP 65	Class F	2.5 W	2 W	DA01	488980	for DIN plug	A0	8993	-40	50
		IP 65	Class F	2.5 W	2 W	DA02	481045	with DIN plug	A0	8993	-40	50
		IP 65	Class F	5 W	4 W	DA03	481180	for DIN plug	A0	8993	-40	50
		IP 65	Class F	5 W	4 W	DA04	481530	with DIN plug	A0	8993	-40	50
		IP 65	EEx m II T4	5 W	4 W	VA01	482605	with 1500mm cable	00	-	-40	50
		IP 65	EEx m II T5	2.5 W	2 W	VA02	482606	with 1500mm cable	00	-	-40	50
2	32 mm (Std)	IP 65	Class F	9 W	8 W	DZ02	481865	for DIN plug	N1	2995	-40	50
		IP 65		9 W	8 W	DZ03	482725	with DIN plug	N1	2995	-40	50
		IP 65	Class H	9 W	8 W	DZ04	492453	for DIN plug	N1	2995	-40	50
		IP 65		9 W	8 W	DZ05	492726	with DIN plug	N1	2995	-40	50
		IP 65	Class F, 50/60 Hz	-	9 W	DZ06	483510	for DIN plug	N1	2995	-40	50
		IP 65		-	9 W	DZ07	482635	with DIN plug	N1	2995	-40	50
		IP 65	EEx m II T4	9 W	8 W	HZ05	492670	with 3000mm cable	00	-	-40	40
		IP 65	Class H	14 W	14 W	DZ08	492425	for DIN plug	N1	2995	-40	50
	50 mm (Std)	IP 65		14 W	14 W	DZ09	492727	with DIN plug	N1	2995	-40	50
		IP10 / IP 44	Class F	8 W	8 W	EZ01	481000	screw-terminals	E0	4270	-40	50
		IP10 / IP 44	Class H	8 W	8 W	EZ02	485100	screw-terminals	E0	4270	-40	50
		IP10 / IP 44	Class H	14 W	14 W	EZ92	486265	screw-terminals	E0	4270	-40	50
		IP 67	Class F, M20x1.5	8 W	8 W	EZ01	481000	screw-terminals	G1	4538	-40	50
		IP 65	EEx m II T5/T4	9 W	8 W	VZ01	492070	with 1500mm cable	00	-	-40	40/65
		IP 67	EEx me II T4	8 W	8 W	HZ06	483371	for cable connection	00	-	-40	65
		IP 66	EEx me II T3/T4	11 W	9 W	VZ03	492190	for cable connection	00	-	-40	75/40
3	32 mm	IP 65	Class H	-	14 W	DZ08	492425	for DIN plug	N1	2995	-40	50
4	50 mm (impulse)	IP10 / IP 44	Class F	-	11 W	MZ01	484990	screw-terminals	E1	4269	-40	50
		IP10 / IP 44	Class F	13 W	-	MZ02	485400	screw-terminals	E1	4269	-40	50
5	50 mm	IP 54	EEx d IIC T4/T5/T6	8 W	8 W	HZ08	483250	for cable 1/2 NPT	00	-	-40	80/75/60
6	32 mm (Miniwatt)	IP 65	Class F	1.6 W	-	DZ10	482740	for DIN plug	N1	2995	-40	50
		IP 65	Class F	1.6W	-	DZ11	482745	with DIN plug	N1	2995	-40	50
	50 mm (Miniwatt)	IP 67	EEx me II T5	2.5 W	-	VZ04	491117	for cable connection	00	-	-40	65
		IP 67	EEx m II T5/T4	2.5 W	2.5 W	VZ05	492370	with 1500mm cable	00	-	-40	40/65
		IP 66	EEx me II T6/T5	2.5 W	2.5 W	VZ06	492390	for cable connection	00	-	-40	40/75
7	32 mm	IP 65	EEx ia II C T6	0.4 W	-	DZ12	483580.01	for DIN plug	N1	2995	-40	55
		IP 65		0.4 W	-	DZ13	483960.01	with DIN plug	N1	2995	-40	55
	50 mm	IP 66	EEx ia II C T6	0.4 W	-	VZ07	488650.01	for cable connection	00	-	-40	65
		IP 67		0.4 W	-	VZ08	488660.01	with 2000mm cable	00	-	-40	65
		IP 65		0.4 W	-	VZ09	488670.01	with DIN plug	00	-	-40	65

Note: This table is indicative only. Please contact your distributor to confirm your selection.