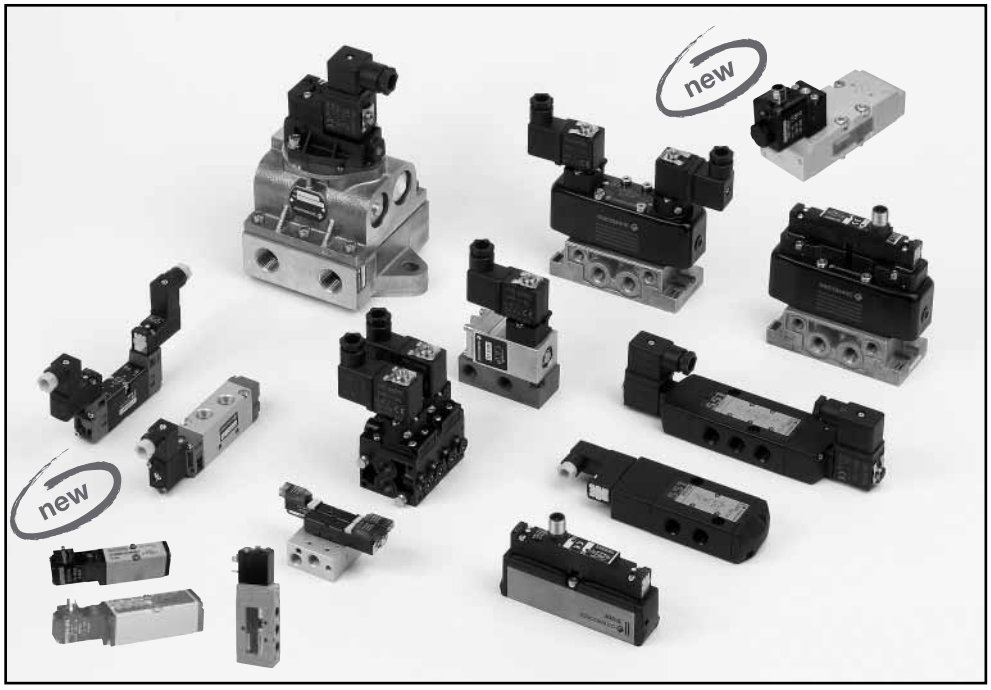
DIRECT OPERATED SOLENOID PILOT VALVES AND SOLENOID AIR OPERATED POPPET VALVES AND SPOOL VALVES

Product Index



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ports/positions	function			pipe connections: ⊐◺ 4	⊐◺ 6	ØG M3	ØG M5	ØG 1/8	ØG 1/4	⊥	max. pressure (bar)	flow at 6 bar l/min (ANR)	Kv coef.	M12 connection	type	illustration	series	page
	NC	NO	U															
Solenoid pilot valves																		
3/2	●	●				▦				⊥	8	8	0,12		Micro 10		188	P501A-1
3/2	●	●					▦			⊥	10	13-44	0,20-0,65		Micro 10 high flow		188	P501B
2/2	●	●					▦			C15	10	11-39	0,11-0,5	M12			302	P502A
3/2	●	●	●							½								P502B
2/2	●	●		⊐◺			▦	▦		C15	8	6-7	0,086-0,12		Piezotronic		630	P503
3/2	●	●																
3/2	●	●	●					▦	▦		15	-	0,8-2,6			new	356	P506
3/2	●			⊐◺				▭			10	34	0,5	M12	Banjo		189	P508
3/2	●	●		⊐◺	⊐◺			▦		C30	10	50	0,6-0,7	M12			189	P509
3/2	●			⊐◺	⊐◺			▦		C30	10	70	1	M12			190	P510
3/2	●	●	●	⊐◺	⊐◺			▦	▦	C30	16	112	1,5-1,6	M12		new	192	P512

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ISO 5599-1 standards	ports/positions	function NC	function NO	pipe connections ØG 4	6	M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	⊥	steel spool and sleeve	stainless steel screws	max. pressure (bar)	flow at 6 bar l/min (ANR)	solenoid pilot valve	type	illustration	series	page
Electric-pneumatic piloting interface																									
	3/2 4/2	●																	8	154	⌐15	Electric-pneumatic interface		302 304	P513-1
Poppet valves (1)																									
	3/2	●														⊥			10	700 1750	⌐30	DM		261 262	P526
	3/2	●	●																12	4500 35000	⌐30	DH		284 285 286	P528
	3/2	●														⊥			12	3000 31500	⌐30	DP		266 267 268	P529
ISO	3/2	●	●																10	5675	⌐30	pilot 190 series ISO 3 new		G34	P530
	4/2																		10	210 840	⌐30			263 264	P533
	4/2															⊥			10	700 1750	⌐30	DM		261 262	P535
	4/2															⊥			12	3000 31500	⌐30	DP		266 267 268	P540
Spool valves (1)																									
	3/2 5/2 5/3	●	●													⊥			8	100 100 80	integrated pilot	Micro 10		518	P545
	3/2	●														⊥			8	400		Mini-spool valve		520	P550-1
	5/2 5/3															⊥			8	175 600 1050		Mini-spool valve		519 520 521	P550-4
	3/2 5/2 5/3	●																	8	400 600		Distribution set with integrated connections		520	P550-8
	5/2 5/3																		10	1090 1860		new		L1 L2	P555
	5/2																		7	500		Quick acting new		92280	P557
	3/2 5/2 5/3	●																	10	860				551	P523 P559
	3/2 5/2 5/3	●																● ●	10	860 3000 3800		High reliability in humid exterior environments new		551 552 553	P524-1 P523A P560-1 P559A

(1) Connectors and accessories, see section J

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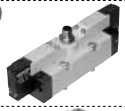
standards VDMA/ISO15407-1	standards ISO 5599-1	ports/positions	function NC	function NO	pipe connections: instant fittings O.D. (mm) 6	8	internal thread ØG 1/8	1/4	3/8	1/2	3/4	1	pad mount	steel spool and sleeve	stainless steel screws	max. pressure (bar)	flow at 6 bar l/min (ANR)	solenoid pilot valve	type	illustration	series	page
Spool valves (1)																						
		3/2	●					■	■	■						10	860 3000 3800	M12 C15	pilot series 302		551 552 553	P524-3 P560-3
		5/2																				
		3/2	●					■	■	■						10	860 3000 3800	C15 C30	pilot series 630/192		551 552 553	P561
		5/2																				
		3/2	●					■	■	■			N			10	700 3000 3000	integrated pilot	NAMUR		551 552 553	P562 P562A
		5/2 5/3													●							
		5/2			■		■						⊥			12	280	C30			540 Ø4	P565
VDMA - ISO		5/2 5/3					■						⊥			8	500	M12 C15	ISO02 new		538	P568-1
																16	440	integrated pilot			CL18	P568-6
		2x3/2	●	●												10	1150	M12 C15	ISO01 new		539	P566-1
		5/2 5/3						■					⊥			16	875	integrated pilot			CL26	P566-4
		5/2						■	■				⊥			10	1050		ISO1 Compact		541	P569
		5/2 5/3						■	■				⊥			10/12	1400	C30	ISO1		541	P570-5
									■	■			⊥				2800	C30	ISO2		542	
										■	■		⊥				4200	C30	ISO3		543	
		5/2 5/3						■	■				⊥			10/12	1400	M12	ISO1		541	P570-7
									■	■			⊥				2800	M12	ISO2		542	
										■	■		⊥				4200	M12	ISO3		543	
		5/2 5/3						■	■				⊥			10	1400	C30	ISO1 new		C12	P572-1
									■	■			⊥				2400	C30	ISO2		C23	
										■	■		⊥				4800	C30	ISO3		C34	
		5/2 5/3						■	■				⊥			10	1400	M12	ISO1 new		C12	P572-3
										■	■		⊥				2400	M12	ISO2		C23	
		5/2 5/3									■	■	⊥			10/12	6300/ 7000	C30	ISO4		544	P571
		2x3/2	●	●	■	■										8	450-900		Mega		578	see section F P575
		5/2 5/3																				
Coils and solenoid operators																						
																					**430**	see page 4

(1) Connectors and accessories, see section J

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COIL CHARACTERISTICS

All coils are designed to operate at 15% or 10% below the nominal voltage (Un) and at 10% above the nominal voltage (Un). [Applicable standards: IEC 335, EN 60730- 1, UL 429]

The coils are rated for continuous duty within the maximum ambient temperature limits (100% ED).

CATALOGUE NUMBERS OF REPLACEMENT COILS:

solenoid valve series	coil size		alternating current (~) 50 Hz					direct current (=)			
			24V	**48V**	**115V**	**230V**	240V	12V	**24V**	**48V**	110V
189	C22A - 2,5 W		**43004416** (❖)	**43004417** (❖)	**43004419** (❖)	**43004422** (❖)	**43004423** (❖)	**43004149**	**43004166**	**43004167**	**43004168**
	C22 - 2,5 W (**M12**)		-	**-**	**-**	**-**	**-**	**-**	**43005523**	**-**	**-**
189 - 189 banjo 551	CM22[1] - 2,5 W		**43004878** (❖)	**43004879** (❖)	**43004884** (❖)	**43004886** (❖)	**43004887** (❖)	**43004867**	**43004869**	**43004873**	**43004875**
356 (1/8)	C22A - 4W	F	**43005421** (❖)	**43005423** (❖)	**43005425**	**43005429** (❖)	**-**	**43005411**	**43005413**	**43005415**	**43005417**
356 (1/4)	C25A	F	**43005530** (❖)	**43005533** (❖)	**43005536**	**43005539**	**-**	**43005530**	**43005533**	**43005536**	**43005539**
190	C25A - 3W		**43004469**	**43004473**	**43004471**	**43004472**	**-**	**43004469**	**43004473**	**43004471**	**43004472**
	C25 - 3 W (**M12**)		-	**-**	**-**	**-**	**-**	**-**	**43005525**	**-**	**-**
192	C30A		**43005604** (❖)	**43005611**	**43005617** (◆)	**43005627**	**-**	**-**	**43005642**	**-**	**-**
	C30 (M12)		-	**-**	**-**	**-**	**-**	**-**	**43005664**	**-**	**-**

[1] For high reliability in humid exterior environments

(◆) 115V 50Hz et 120V 60Hz

(❖) Bi-frequency 50/60 Hz.

CM22-C22A COIL with connector Example: series 189, 356, 551	**C22 COIL with M12 connection** Example: series 189	**C25A COIL with connector** Example: series 190, 552, 553	**C25 COIL with M12 connection** Example: series 190	**C30A COIL with connector** Example: series 192	**C30 COIL with M12 connector** Example: series 192
					

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