

COILS AND ACCESSORIES

Product Index




















product	pipe connections										type	illustration	series	page	
	□ - instant fittings O.D. (mm) ■ - internal thread ØG														
	□		ØG												
	4	6	8	10	12	M5	1/8	1/4	3/8	1/2	3/4	1			
Pneumatic accessories (1)															
Panel-mounted in-line flow regulator						■	■	■	■	■	■				
Banjo flow regulator	□	□	□			■	■	■	■	■				346	P901-1
Exhaust regulator							■	■							
Exhaust regulator with integrated silencer							■	■	■	■					
Silencer							■	■	■	■	■	■			
Exhaust protector						■	■	■	■	■	■	■			
Shuttle valve							■	■						346	P903-1
Non-return valve	□	□					■	■	■	■					
Quick exhaust valve								■	■	■	■				

(1) For equivalence between accessory and cylinder sizes, see page 3

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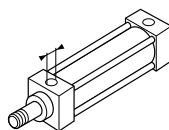
product	pipe connections													pad mount	type	illustration	series	page	
	▧ - instant fittings O.D. (mm) ▨ - push-in hose connection ▩ - internal thread ØG ▪ - external thread ØG ⊥ - pad mount																		
	3	4	6 to 12	M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	ØG						
Pneumatic accessories (1)																			
Pneumatic indicator	▧															red green yellow		346	P903-1
Exhaust silencer filter									▩	▩	▩	▩						346	P905
Orientable cylinder blocking fittings		▧				▩	▩	▩	▩									346	P907
Electronic multimer with adjustable pulses																		881	P910
Pneumatic timer	▧														⊥			333 346	section I P810-5
Exhaust protector						▩	▩	▩	▩	▩								346 977	P912
Adjustable pressure switch with or without status indication and protection									▩						⊥			349	P918-1
Electronic pressure switch									▩									349	P918-2
Diaphragm-operated pressure switch									▩	▩								349	P919
Pneumatic-electric interface	▧																	304	P920
Micro pressure regulator									▩	▩						Micro 10		342	P922-1
Pressure gauge (Ø 40 mm)									▩									343	P922-1
Micro flowrate reducing valve									▩							Micro 10		346	P922-1
Coupling-type connectors	▧								▩	▩						Micro 10		346	P922-2
Threaded or push-in hose connectors									▩	▩						Micro 10		346	P922-3
Threaded connectors and tubes									▩	▩	▩					Micro 10		346	P922-4
Air/oil pressure booster Ø 125 mm																		433	P924-1

(1) For equivalence between accessory and cylinder sizes, see page 3

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PNEUMATIC CYLINDER PORT DIAMETERS

The following table will enable you to select the correct size of the pneumatic accessories for direct fitting to the cylinder ports (banjo flow regulator, orientable cylinder blocking fitting).



type	series	cylinder bore (mm)															
		6	8	10	12	16	20	25	32	40	50	63	80	100	125	160	200
MICRO 10	435	M3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
threaded - E	429	*	-	*	-	*	-	-	-	-	-	-	-	-	-	-	-
K	441	-	M5	M5	M5	M5	-	-	-	-	-	-	-	-	-	-	-
KN	442	-	-	-	-	-	M5	M5	1/8	1/8	1/8	1/8	1/8	1/8	-	-	-
ISOCLAIR - C.AS	435	-	M5	M5	M5	M5	1/8	1/8	-	-	-	-	-	-	-	-	-
ISOCLAIR - CIS	438	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	-	-	-	-	-
PEC	449	-	-	-	-	-	-	-	1/8	1/8	1/8	1/8	1/8	1/4	-	-	-
PES	450	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	3/8	1/2	1/2	3/4	3/4
TRINORM PCN	437	-	-	-	-	-	-	1/8	1/8	1/4	1/4	3/8	3/8	1/2	1/2	3/4	3/4
INOX - CIX	435	-	-	-	M5	M5	1/8	1/8	1/8	1/4	1/4	3/8	3/8	-	-	-	-
STN - STG	445	M5	-	M5	-	M5	1/8	1/8	1/8	1/4	-	-	-	-	-	-	-
STBN - STB	446	-	-	-	-	M5	-	1/8	1/8	1/4	3/8	3/8	-	-	-	-	-
CIB	447	-	-	-	M5	M5	1/8	1/8	1/8	1/4	-	-	-	-	-	-	-
P2L - P2B	447	-	-	-	-	M5	M5	M5	1/8	-	-	-	-	-	-	-	-
TMB - TLB	447	M3	-	M3M5	-	M5	-	M5	-	-	-	-	-	-	-	-	-
TUB	447	-	-	M5	-	M5	1/8	1/8	-	-	-	-	-	-	-	-	-
rotatable - R - RS	429	-	-	-	M5	M5	M5	M5	-	-	-	-	-	-	-	-	-

* With push-in hose nozzles

description	illustration	series	page
Coils and solenoid operators			
Replacement coils		430	voir page 4
Connectors			
Electrical connectors DIN 43650, 11 mm, industry standard B (size 22) ISO 4400/EN 175301-803, form A (size 30)		881	P935-1
DIN 43650, 9,4 mm, industry standard B (size 15)			P935-2
Visual indication (LED) and electrical protection module (size 15)		881	P936
Electrical connectors according to ISO 4400, size 30, TRANSIL protection and LED display		881	P937
Electrical connectors, IP20 protection (size 15)		881	P938-1

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COIL CHARACTERISTICS

The following table shows the standard coils for the solenoid valves.

The coils are designed to operate at a nominal voltage of -10% or +5% according to VDE 0580 (NFC79300) (unless otherwise specified). The coils are rated for continuous duty within the maximum ambient temperature limits (100% E.D.).

solenoid valve series	coils				
	coil type:	size 22		size 25	size 30
		class: power:	F 2,5 W	F 4 W	F 3 W
356	(1/8)	■	☆		
189	189 banjo	☆-*			
190				⊕-*	
192					☆

⊕ Dual-voltage as standard (24V~, 12V=) (48V~, 24V=) (115V~, 48V=) (230V~, 115V=)

☆ 50 Hz as standard, 60 Hz on request

* 24V DC coil with M12 connection (C22, C25)

■ Low-power coil at option

CATALOGUE NUMBERS OF REPLACEMENT COILS:

The following table shows the catalogue numbers of the standard coils ⁽¹⁾ for each type of solenoid valve and voltage.

The coils are available as spare parts.

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 ⁽²⁾ - 2,5 W	43004878 (⊕)	43004879 (⊕)	43004884 (⊕)	43004886 (⊕)	43004887 (⊕)	43004867	43004869	43004873	43004875
356	C22A - 4W	43005421 (⊕)	43005423 (⊕)	43005425	43005429 (⊕)	-	43005411	43005413	43005415	43005417
190	C25A - 3W	43004469	43004473	43004471	43004472	-	43004469	43004473	43004471	43004472
	C25 - 3 W (M12)	-	-	-	-	-	-	43005525	-	-
192	CM30 - 4W	43004181	43004182	43004183	43004184	43004185	43004661	43004541	43004542	43004543

⁽¹⁾ Complies with VDE 0580 (NFC 79300) standard and CENELEC memo no. 14HD4732 51 as well as the 38th publication of the IEC standard of 1983.

⁽²⁾ For high reliability in humid exterior environments

(⊕) 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	CM30 COIL with connector Example: series 192
				