



TECHNICAL CHARACTERISTICS

16 mm

Flow rate:
553 → 706 NI/min

1907/2006
REACH

2011/65/CE
RoHS

PED
2014/68/UE


Component Parts and Materials

Anodised aluminium body
Spool in nickel-plated aluminum
Piston & Spool Seals in Elastomer
Springs: Stainless steel AISI 302

ELECTRO PNEUMATIC VALVE ISLANDS - G1/8

G 1/8		
	TYPE OF SOLENOID VALVE	Elastomer sealing
	THREADED	G 1/8 - ISO 228
	FLUIDS	Air
	Monostable pneumatic spring return	22 ÷ 102 psi (1.5 ÷ 7 bar)
	Monostable mechanical spring return	44 ÷ 102 psi (3 ÷ 7 bar)
	2-way valve bistable	15 ÷ 102 psi (1 ÷ 7 bar)
	3-way valve	29 ÷ 102 psi (2 ÷ 7 bar)
	5/4-way valve double (3/2)	22 ÷ 102 psi (1.5 ÷ 7 bar)
	OPERATING TEMPERATURE	23 ÷ 122 °F Without freezing -5 ÷ 50 °C
	MANUAL CONTROL	Rotating with lock



Threaded connections

Integrated electrical connection system
IP65 protection
16 mm thickness
Usage connections with female threads machined in the valve body
Quick, fast and with few elements of the solenoid valve group

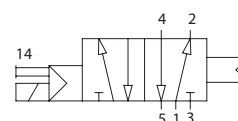
	WITH PILOT EXHAUST					Individual discharge to atmosphere	
	SUGGESTED FILTRATION	≤ 20 µm		LUBRICATION		Not necessary	
	TYPE OF INTERFACE					Connettore maschio M8	
	PROTECTION DEGREE					IP65 with connector attached	
	VOLTAGE	24 VDC		POWER CONSUMPTION		1.3 W	
	ALLOWABLE VOLTAGE FLUCTUATIONS (V)	±10% of nominal voltage		MAX SWITCHING FREQUENCY		3 Hz	
	VISUAL SIGNAL OF PILOT VALVE					LED	
	SWITCHING TIMES		5/4	5/2 Pneumatic return	5/2 Spring return	5/2 Bistable	5/3 Monostable
		Switching time on (ms) OUT (2)	11	21	17	14	17
		Switching time on (ms) OUT (4)	19	-	-	19	31
		Switching time off (ms) OUT (2)	26	-	-	-	-
		Switching time off (ms) OUT (4)	41	44	56	-	-

SOLENOID VALVES - G1/8

5/2 Ways

MONOSTABLE WITH PNEUMATIC RETURN

Code	Ways	Flow rate	Size
14V S4 5 00 02	5/2	706 NI/min	1/8

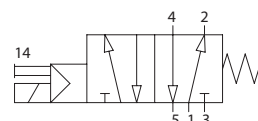


5/2 Ways

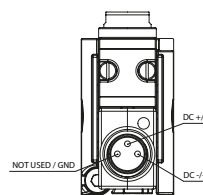
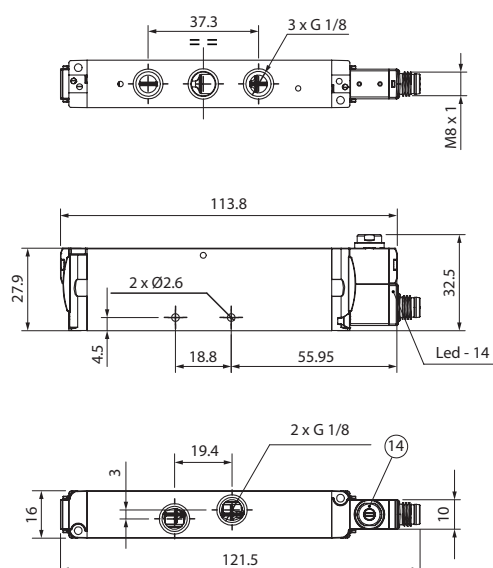
MONOSTABLE MECHANICAL SPRING RETURN

* ON REQUEST

Code	Ways	Flow rate	Size
14V S0 5 00 02	5/2	706 NI/min	1/8



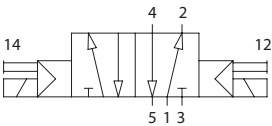
14V S4 5 00 02 14V S0 5 00 02



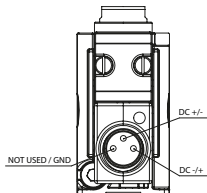
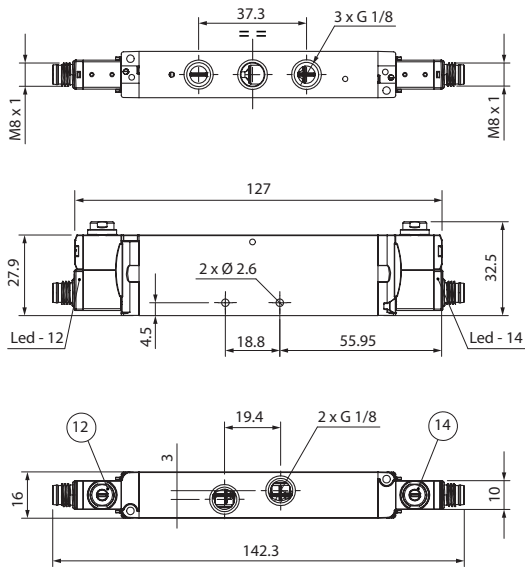
5/2 Ways
TWO STABLE POSITIONS



Code	Ways	Flow rate	Size
14V S1 5 00 02	5/2	706 NI/min	1/8



14V S1 5 00 02



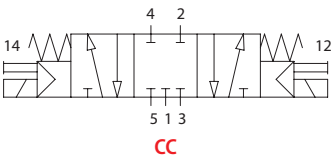
5/3 Ways

MONOSTABLE MECHANICAL SPRING RETURN

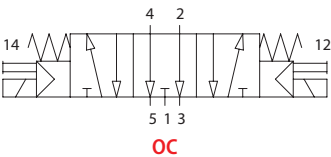


Code	Ways	Function	Flow rate	Size
14V S0 7 CC 02	5/3	CC	591 NI/min	1/8
14V S0 7 OC 02	5/3	OC	705 NI/min	1/8
14V S0 7 PC 02	5/3	PC	680 NI/min	1/8

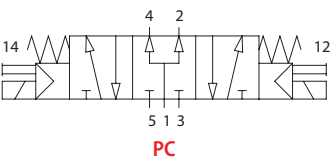
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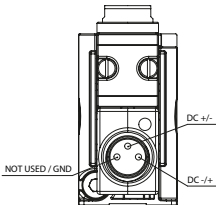
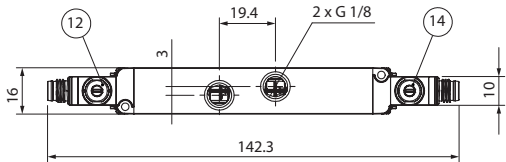
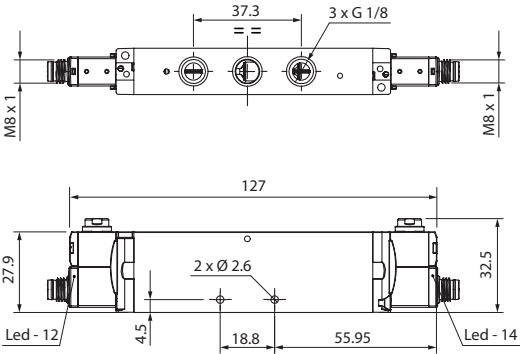
CC



OC



PC



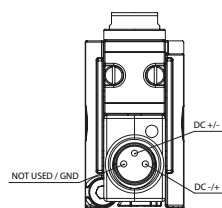
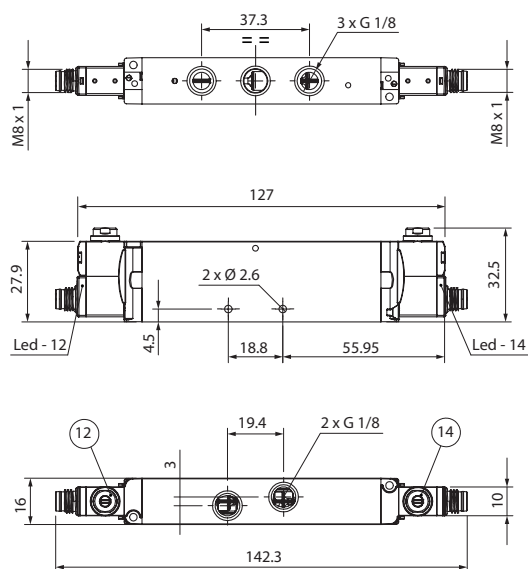
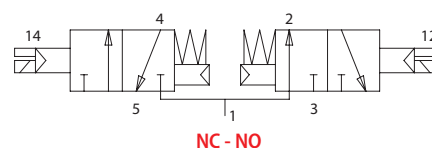
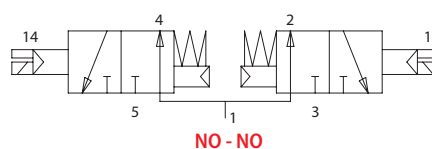
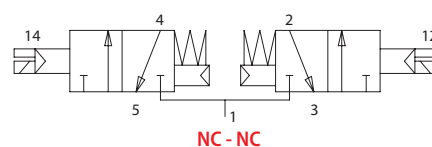
5/4 Ways

DOUBLE 3/2 MONOSTABLE MECHANICAL SPRING RETURN



Code	Ways	Function	Flow rate	Size
14V S0 8 NC 02	5/4	NC	553 NI/min	1/8
14V S0 8 NO 02	5/4	NO	620 NI/min	1/8
14V S0 8 NN 02	5/4	NC-NO	553 NI/min	1/8

14V S0 8 CC 02 14V S0 8 OC 02 14V S0 8 PC 02





TECHNICAL CHARACTERISTICS

PNEUMATIC VALVE - G1/8

16 mm

Flow rate:
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1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE


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Threaded connections

IP65 protection
16 mm thickness
Usage connections with female threads machined in the valve body
Quick, fast and with few elements of the solenoid valve group

G 1/8	
	TYPE OF SOLENOID VALVE
	THREADED
	FLUIDS
	Monostable pneumatic spring return
	Monostable mechanical spring return
	2-way valve bistable
	3-way valve
	5/4-way valve double (3/2)
	OPERATING TEMPERATURE

Elastomer sealing

G 1/8 - ISO 228

Air

22 ÷ 102 psi
(1.5 ÷ 7 bar)

44 ÷ 102 psi
(3 ÷ 7 bar)

15 ÷ 102 psi
(1 ÷ 7 bar)

29 ÷ 102 psi
(2 ÷ 7 bar)

22 ÷ 102 psi
(1.5 ÷ 7 bar)

23 ÷ 122 °F
-5 ÷ 50 °C Without freezing


WITH PILOT EXHAUST

Individual discharge to atmosphere



SUGGESTED FILTRATION

≤ 20 µm



LUBRICATION

Not necessary



PROTECTION DEGREE

IP65 with connector attached



SWITCHING TIMES

5/4

5/2 Pneumatic return

5/2 Spring return

5/2 Bistable

5/3 Monostable

Switching time on (ms) OUT (2)

11

21

17

14

17

Switching time on (ms) OUT (4)

19

-

-

19

31

Switching time off (ms) OUT (2)

26

-

-

-

-

Switching time off (ms) OUT (4)

41

44

56

-

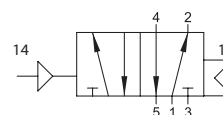
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PNEUMATIC VALVES - G1/8

5/2 Ways

MONOSTABLE WITH PNEUMATIC RETURN

Code	Ways	Flow rate	Size	Size (12) (14)
14V P4 5 00 02	5/2	706 NI/min	1/8	M5 x 0.8

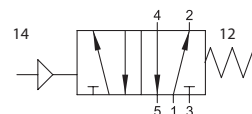


5/2 Ways

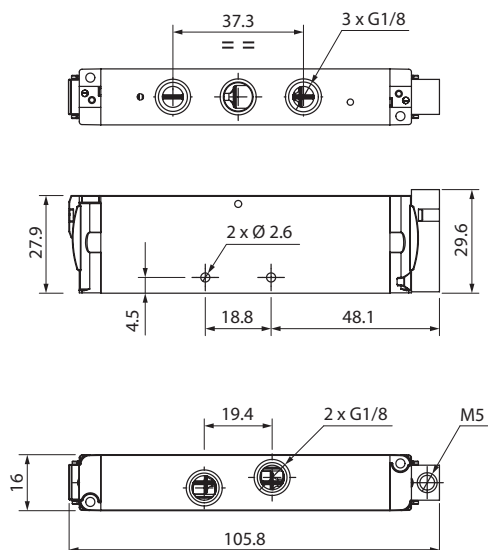
MONOSTABLE MECHANICAL SPRING RETURN

* ON REQUEST

Code	Ways	Flow rate	Size	Size (12) (14)
14V P0 5 00 02	5/2	706 NI/min	1/8	M5 x 0.8



14V P4 5 00 02 14V P0 5 00 02

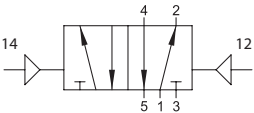


5/2 Ways

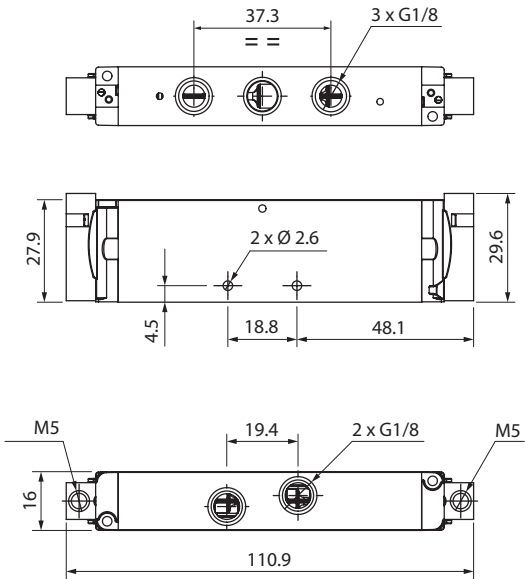
TWO STABLE POSITIONS



Code	Ways	Flow rate	Size	Size (12) (14)
14V P1 5 00 02	5/2	706 Nl/min	1/8	M5 x 0.8



14V P1 5 00 02

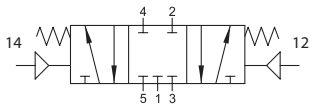


5/3 Ways

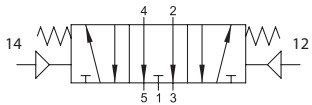
MONOSTABLE MECHANICAL SPRING RETURN



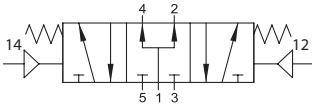
Code	Ways	Function	Flow rate	Size	Size (12) (14)
14V P0 7 CC 02	5/3	CC	591 NI/min	1/8	M5 x 0.8
14V P0 7 OC 02	5/3	OC	705 NI/min	1/8	M5 x 0.8
14V P0 7 PC 02	5/3	PC	680 NI/min	1/8	M5 x 0.8



CC

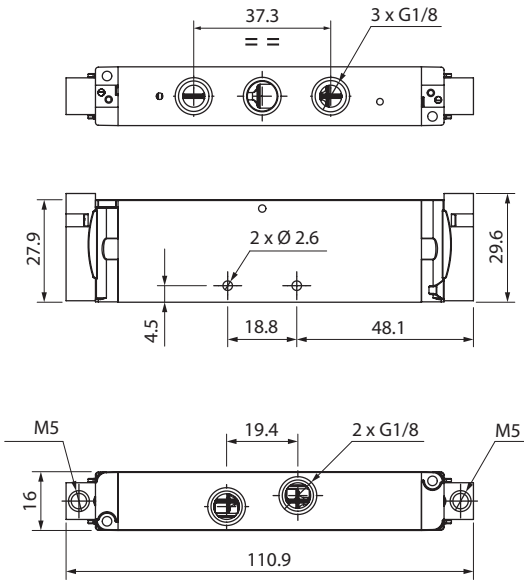


OC



PC

14V P0 7 CC 02 14V P0 7 OC 02 14V P0 7 PC 02

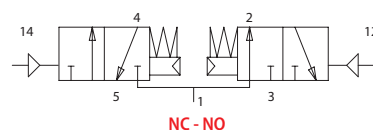
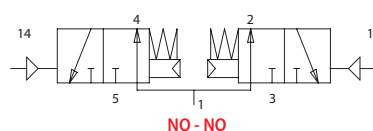
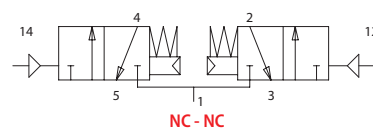


5/4 Ways

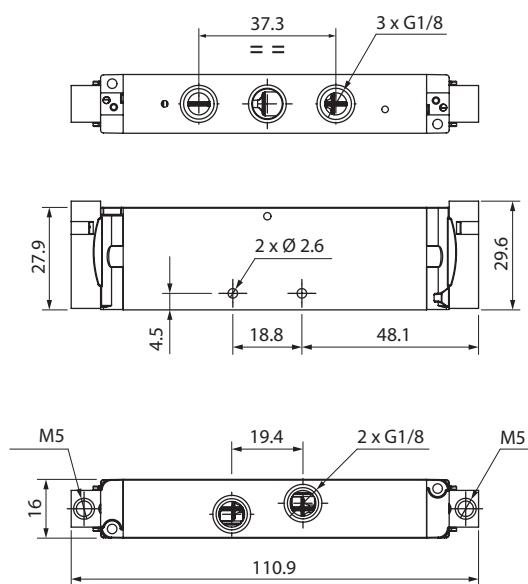
DOUBLE 3/2 MONOSTABLE MECHANICAL SPRING RETURN



Code	Ways	Function	Flow rate	Size	Size (12) (14)
14V P0 8 NC 02	5/4	NC	553 NI/min	1/8	M5 x 0.8
14V P0 8 NO 02	5/4	NO	620 NI/min	1/8	M5 x 0.8
14V P0 8 NN 02	5/4	NC-NO	553 NI/min	1/8	M5 x 0.8



14V P0 8 CC 02 14V P0 8 OC 02 14V P0 8 PC 02



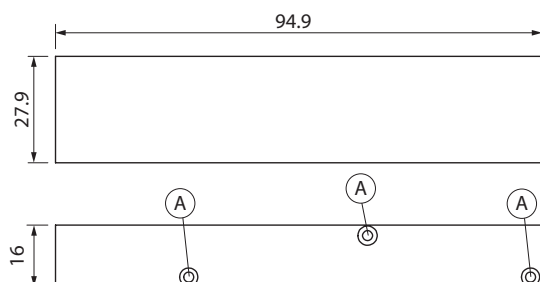
14V06

PLUG FOR UNUSED POSITIONS

Code	Screw tightening torque	Weight
14V 06 00 11 00 00	(A) 0.6 N	0.26 lb (118.5g)



14V 06 00 11 00 00

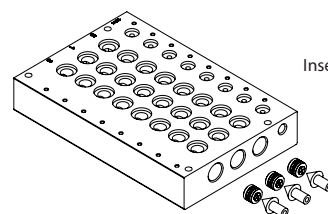


16V39

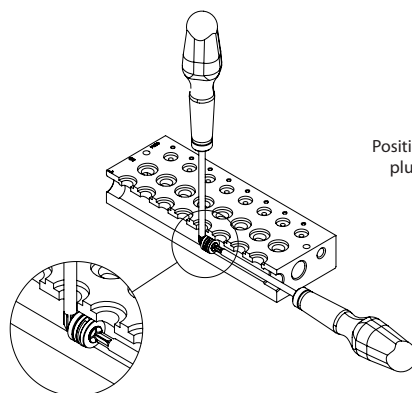
SEPARATION CAP FOR SUPPLY AND EXHAUST DUCTS

Code	Screw tightening torque	Weight
16V 39 0 00 00	0.6 N	0.01 lb (4.3g)

The unit should be divided into two sections.



Insert the separating plug



Position the separating plug and tighten the screw to secure it

PNEUMATIC BASES

14VB0

PNEUMATIC BASE

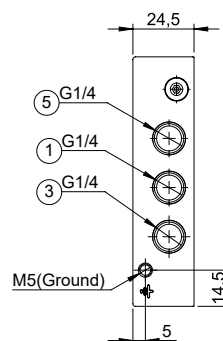
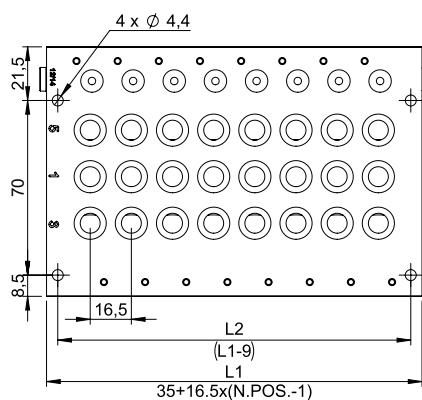
New



Code	Size (1) (3) (5)	Positions number	L1	L2	Weight
14VB0 00 00 2	1/4	2	2.028 (51.5)	1.673 (42.5)	0.66 lb (300g)
14VB0 00 00 3	1/4	3	2.677 (68)	2.323 (59)	0.88 lb (399g)
14VB0 00 00 4	1/4	4	3.327 (84.5)	2.972 (75.5)	1.10 lb (498g)
14VB0 00 00 5	1/4	5	3.976 (101)	3.622 (92)	1.32 lb (597g)
14VB0 00 00 6	1/4	6	4.626 (117.5)	4.272 (108.5)	1.53 lb (696g)
14VB0 00 00 7	1/4	7	5.276 (134)	4.921 (125)	1.75 lb (795g)
14VB0 00 00 8	1/4	8	5.925 (150.5)	5.571 (141.5)	1.97 lb (895g)
14VB0 00 00 9	1/4	9	6.575 (167)	6.220 (158)	2.19 lb (994g)
14VB0 00 01 0	1/4	10	7.224 (183.5)	6.870 (174.5)	2.41 lb (1093g)



The bases are supplied with screws and O-Ring for attachment of the valves.



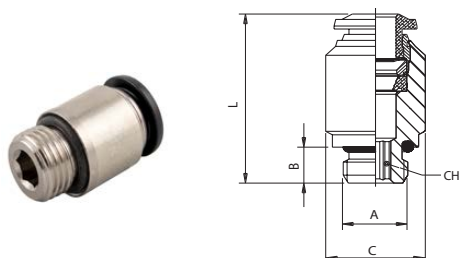
1	Air supply	3/5	Exhaust
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ACCESSORIES

50015N

STRAIGHT MALE ADAPTOR (PARALLEL)
WITH HEXAGON EMBEDDED

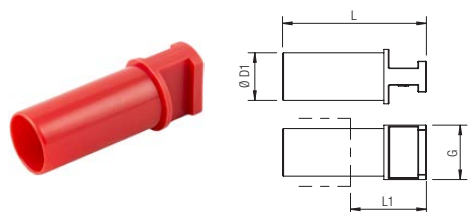
BSPP



Code	Usa Ref	Tube	A	B	C	L	CH	Pack.
50015 00 N03	50015-6-1/8	6	1/8	.212 (5,4)	.504 (12,8)	.906 (23)	.157 (4)	10
50015 00 N04	50015-8-1/8	5/16 (8)	1/8	.212 (5,4)	.551 (14)	1.024 (26)	.197 (5)	10
50015 00 N12	50015-10-1/4	10	1/4	.280 (7,1)	.669 (17)	1.220 (31)	.236 (6)	10

50610

POLYAMIDE PLUG



Code	Usa Ref	ØD1	G	L	L1	Pack.
50610 00 31 X4 RO	50610-6	6	.315 (8)	1.260 (32)	.611 (15,5)	10
50610 00 31 X7 RO	50610-8	5/16 (8)	.394 (10)	1.398 (35,5)	.768 (19,5)	10

55140

PLUG-IN ELBOW

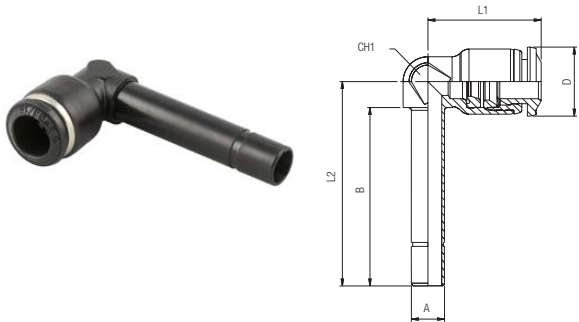


Code	Usa Ref	Tube	A	B	L1	L2	CH1	D	Pack.
55140 00 002	55140-4-6	5/32 (4)	6	.748 (19)	.650 (16,5)	.898 (22,8)	.276 (7)	.394 (10)	10
55140 00 005	55140-6	6	6	.748 (19)	.807 (20,5)	.933 (23,7)	.354 (9)	.492 (12,5)	10
55140 00 007	55140-8	5/16 (8)	5/16 (8)	.787 (20)	.866 (22)	1.024 (26)	.394 (10)	.551 (14)	10

55150

LONG PLUG-IN ELBOW

Code	Usa Ref	Tube	A	B	L1	L2	CH1	D	Pack.
55150 00 002	55150-4-6	5/32 (4)	6	1.201 (30,5)	.650 (16,5)	1.350 (34,3)	.276 (7)	.394 (10)	10
55150 00 005	55150-6	6	6	1.272 (32,3)	.807 (20,5)	1.457 (37)	.354 (9)	.492 (12,5)	10
55150 00 007	55150-8	5/16 (8) 5/16 (8)		1.417 (36)	.866 (22)	1.654 (42)	.394 (10)	.551 (14)	10



PX__0

CABLE WITH INLINE FEMALE CONNECTOR M8X1

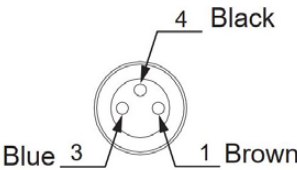
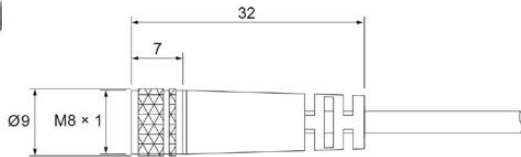
Code	Cable Length	Jacket Material	Pack.
PX 2000 PUR	6.56 ft (2 m)	PUR	1
PX 5000 PUR	16.40 ft (5 m)	PUR	1

max



Torque specifications ring

0.4 Nm



PX__1

CABLE WITH "L" FEMALE CONNECTOR M8X1

Code	Cable Length	Jacket Material	Pack.
PX 20001 PUR	6.56 ft (2 m)	PUR	1
PX 50001 PUR	16.40 ft (5 m)	PUR	1

max



Torque specifications ring

0.4 Nm

