

Modular Manifold



P3Y Series Manifolds provide up to 4 extra outlet ports. They may be assembled at any position in a combination e.g. before the lubricator to provide oil free take off or at the end of a combination to provide extra outlet ports.

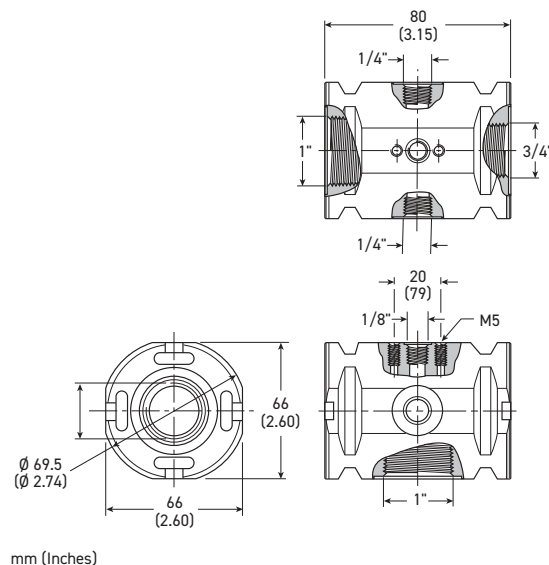
Thread Type	Part Number
BSPP	P3YMA1V0N
NPT	P3YMA9V0N

Port sizes

Inlet Port	Top	Bottom	Front and Back
3/4"	1/8"	1"	1/4"
1"	1/8"	1"	1/4"

Material Specifications

Body	Aluminium
Weight	0.7 kg (1.5 lb)



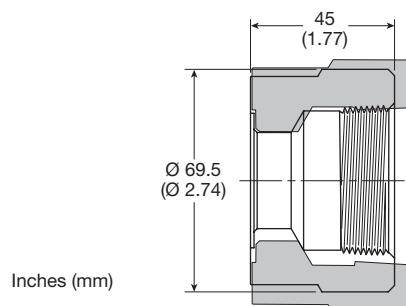
Optional Port Block Kits



- To change port sizes Port Block Kits are available.
- Allows assemblies to be removed from a hard piped system.

Material Specifications

Body	Aluminium
Weight	0.65 kg (1.43 lb)



Ordering Information:

P3YKA	1	B	CP
Basic Series	Thread Type	Port Size	
Port Blocks P3YKA	BSPP 1	1-1/4 A	
	NPT 9	1-1/2 B	

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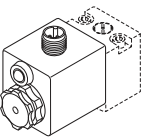
Solenoid Operators - CNOMO

Technical Data -
Solenoid operators, coil combinations

	NC Normal Operator with 22 x 30 standard coil	NC Normal Operator with 30 x 30 standard coil
Working pressure	0 to 10 bar	0 to 10 bar
Ambient temperature	-10°C to 60°C *	-10°C to 60°C *
Power (DC)	4.8W	2.7W
Power (AC)	8.5VA	4.9VA
Voltage tolerance	+/-10%	+/-10%
Duty cycle	100%	100%
Insulation class	F	F
Electric connection	B Industrial	DIN 43650A
Protection	IP65	IP65
Approval	UL/CSA	
Working media	All neutral media such as compressed air	

* Limited to 50°C if use with 100% duty cycle

Solenoid Coils with M12 Connection



Voltage	Part Number	Weight (Kg)
Direct current		
24VDC	P2FC6449	0.065

Transients

Interrupting the current through the solenoid coil produces momentary voltage peaks which, under unfavorable conditions, can amount to several hundred times the rated operating voltage. Normally, these transients do not cause problems, but to achieve the Maximum life of relays in the circuit (and particularly of transistors, thyristors and integrated circuits) it is desirable to provide protection by means of voltage-dependent resistors (varistors). All connectors/cable plugs EN175301-803 with LED's include this type of circuit protection.

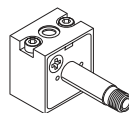
Materials

Pilot Valve

Body:	Polyamide
Armature tube:	Brass
Plunger & core:	Corrosion resistant Cr-Ni steel
Seals:	Fluorocarbon
Screws:	Stainless steel

Coil

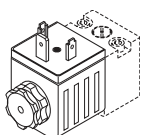
Encapsulation material:	Thermoplastic as standard Duroplast for M12 connection
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Spare Base Solenoid Pilot Operator
CNOMO NC


Description	Part Number	Weight (Kg)
Non-lock Manual Override	P2FP23N4B	0.065
No Override	P2FP23N4A	0.065

Note: Solenoid pilot operators are fitted to the Global range. Order the above part numbers for spares. The operators are supplied with mounting screws and interface 'O' rings. Coils and connectors must be ordered separately.

Solenoid Coils with DIN A or Industrial B Connection

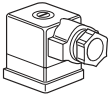
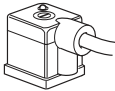


Voltage	22mm x 30mm Part Number B Industrial Standard	Weight (Kg)	30mm x 30mm Part Number DIN 43650A Standard	Weight (Kg)
Direct current				
24VDC	P2FCB449	0.093	P2FCA449	0.105
Alternative current				
110V 50Hz, 120V 60Hz	P2FCB453	0.093	P2FCA453	0.105

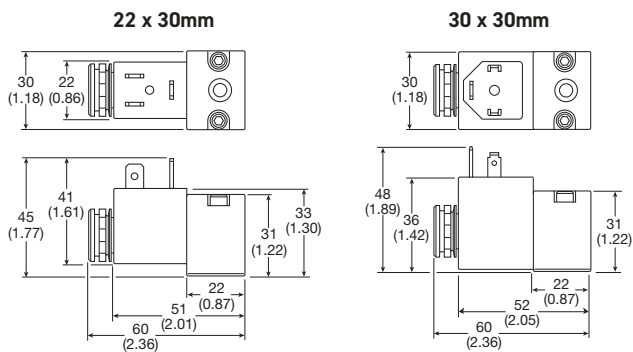
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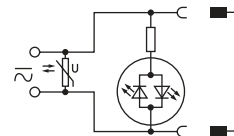
Solenoid Connectors / Cable Plugs EN175301-803

	Description	Part Number 22mm Form B Industrial	Part Number 30mm Form A DIN 43650A
	Standard IP65 without flying lead	3EV10V10	3EV290V10
	With LED and protection 24VAC/DC	3EV10V20-24	3EV290V20-24
	With LED and protection 110VAC	3EV10V20-110	3EV290V20-110
	With LED and protection 230VAC	3EV10V20-230	3EV290V20-230
	Standard with 5 cable IP65	-	-
	24VAC/DC, 5m cable LED and protection IP65	3EV10V20-24L5	3EV290V20-24L5
	110VAC/DC, 5m cable LED and protection IP65	3EV10V20-110L5	3EV290V20-110L5
	230VAC/DC, 5m cable LED and protection IP65	3EV10V20-230L5	3EV290V20-230L5

Solenoid Coil Dimensions mm (inches)



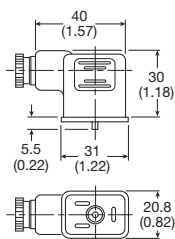
Electrical Schematics



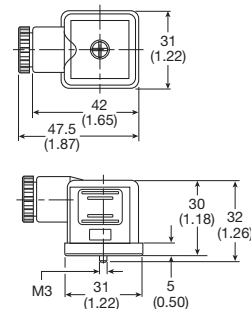
3EV10V20-24	3EV290V20-24
3EV10V20-110	3EV290V20-110
3EV10V20-230	3EV290V20-230
-	-
-	-
-	-

Cable Plug Dimensions mm (inches)

22mm Form B industrial cable plugs

3EV10V10

30mm Form A cable plugs

3EV290V10

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Description	Connection	Weight lb (kg)	Part Number	
0.01 micron Element Kit			P3YKA00ESC	
1 micron Element Kit			P3YKA00ES9	
5 micron Element Kit			P3YKA00ESE	
30 micron Element Kit			P3YKA00ESG	
Adsorber Element Kit			P3YKA00ESA	
Angle Bracket + Metal Lock Ring			P3YKA00MS	
Bowl Kit With Combined Manual / Semi-Auto Drain			P3YKA00BSC	
Bowl Kit With Auto Drain			P3YKA00BSA	
Bowl Kit			P3YKA00BSN	
Connector O-Ring Kit	Qty: 5		P3YKA08CY	
Differential Pressure Indicator Kit			P3YKA00RQ	
Diaphragm Kit (Relieving Type)			P3YKA00RR	
Diaphragm Kit (Non-Relieving Type)			P3YKA00RN	
Key Lock (Replacement)			P3XKA00AS	
Lubricator Oil	VG32 - 1 litre	2.03 (0.92)	P3YKA00PPBB	
Neck Mounting Bracket Kit		8.27 (3.75)	P3YKA00MS	
P3y Connecting Kit		0.11 (0.05)	P3YKA00CB	
Panel Mounting Nut (Aluminium)		1.54 (0.70)	P3YKA00MM	
Pressure Gauge	0 to 300 psig 0 to 20 bar	1/4"	KG8013-00	
Refill Plug			P3YKA00PL	
Wall Mounting Brackets		0.44 (0.2)	P3YKA00CW	

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