

V series valve island: Communication node for IO-Link

Communication node for 19 outputs (Moduflex Pilot Valves)

(The last 5 outputs of this 24 DO node can't be used with Moduflex Valve)

	Description	IO-Link Class	M12 A coded Connector connection			Weight (g)	Order code
			IO-Link	Aux. Power	Aux. Power Pinout		
	P2M IO-Link Communication Node	Class A	3 Pin's	3 Pin's	1 & 3	160	P2M2HBVL12400A13
			3 Pin's	3 Pin's	4 & 3	160	P2M2HBVL12400A43
			3 Pin's	5 Pin's	4 & 2	160	P2M2HBVL12400A42
		Class B	5 Pin's		2 & 5	140	P2M2HBVL12400B25
	P2M IO-Link Communication Node Safe Power Capable	Class A	3 Pin's	3 Pin's	1 & 3	165	P2M2HBVL12400A13-SPC
			3 Pin's	3 Pin's	4 & 3	165	P2M2HBVL12400A43-SPC
			3 Pin's	5 Pin's	4 & 2	165	P2M2HBVL12400A42-SPC
		Class B	5 Pin's		2 & 5	145	P2M2HBVL12400B25-SPC

IODD file can be downloaded from IODD Finder or the Moduflex web site:

<https://ioddfinder.io-link.com>

www.parker.com/pde/io-link

Accessories

	Description	Connector type	Weight (g)	Order code
	Quick connect straight connector for both IO-Link communication and auxiliary power supply	M12 - 5 Pin's Female - A Coding	25	P8CS1205AA

Moduflex Valve System



V series

Integrated connection industrial comms or multi-connector valve island



T series

Individual connector valve islands
Solenoid clip or lockable connector or remote air pilot



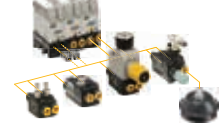
S series

Stand alone valves
Solenoid clip or lockable connector or remote air pilot



P series

Peripheral modules
Flow control, check valves, pressure regulator, vacuum



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Industrial Communication Node head module

Protocol	Class	Nb of DO's	Part Number
IO-Link	Class A - Power 1 - 3	24 DO*	P2M2HBVL12400A13 / -SPC
	Class A - Power 4 - 2	24 DO*	P2M2HBVL12400A42 / -SPC
	Class A - Power 4 - 3	24 DO*	P2M2HBVL12400A43 / -SPC
	Class B - Power 2 - 5	24 DO*	P2M2HBVL12400B25 / -SPC
Industrial Ethernet	Profinet IO	24 DO*	P2M2HBVW12400
	EtherNet/IP	24 DO*	P2M2HBVE12400
	EtherCAT	24 DO*	P2M2HBVT12400
	PowerLink	24 DO*	P2M2HBVW12400
	Modbus TCP/IP	24 DO*	P2M2HBVM12400
	CC-Link IE	24 DO*	Coming soon

* Only the first 19 DO usable with Moduflex Valve

Electrical multi-connector head module

Description	Protection	Cable length	Part Number
Guillotine type	IP65	2 m	P2M2HEV0A
		5 m	P2M2HEV0A
		9 m	P2M2HEV0A
Standard Sub-D 25 type	IP40	3 m	P2M2HEV0D
		9 m	P2M2HEV0D
		9 m	P2M2HEV0D

Island head and intermediate module sets

	Size 2	
	V series	T series
Valve island pneumatic head and tail module set	P2M2HXT01	P2M2HXT01
Valve island intermediate supply module with a set of 4 configuration plates	P2M2BXV0A	P2M2BXT0A

Electrical connectors

Description	Connector type	Cable length	Part Number
Individual lockable connector - IP67 Including LED and surge protection 2 Flying leads	M8 / 2 x Flying leads	2 m	P8LS08L226C
		5 m	P8LS08L526C
		9 m	P8LS08L926C
Clip connector - IP40 Individual : Including 2 flying leads Multiple : Including 1 common (0 Vdc) and 1 flying lead per connector	1 x Clip connector 2 x Clip connectors 4 x Clip connectors 8 x Clip connector	1 m	P8LW021C
		1 m	P8LW021C02
		1 m	P8LW021C04
Straight cable quick connect to thread connector, IP67 protected = Y shape	M8 M12 M12 Male - 2 x M12 Female	1 m	P8CS0803J
		1 m	P8CS1204J
		1 m	P8CSY1212A

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150 NI/mm 400 NI/mm 1200 NI/mm



Size 2

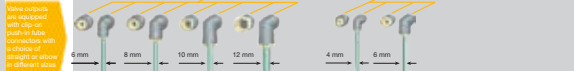
		Size 1					Size 2				
		IP65	IP67	IP40	IP65	IP67	IP40	IP65	IP67	IP40	IP65
4/2	V	P2M1V4ES2CV	P2M1T4ES2C	P2M1S4ES2C	P2M1T4ES2CW	P2M1S4ES2CW	P2M1V4ES2CW	P2M2V4ES2CV	P2M2T4ES2C	P2M2S4ES2C	P2M2T4ES2CW
	T	P2M1V4EE2CV	P2M1T4EE2C	P2M1S4EE2C	P2M1T4EE2CW	P2M1S4EE2CW	P2M1V4EE2CW	P2M2V4EE2CV	P2M2T4EE2C	P2M2S4EE2C	P2M2T4EE2CW
	S	P2M1VJEE2CV	P2M1TJEE2C	P2M1SJEE2C	P2M1TJEE2CW	P2M1SJEE2CW	P2M1VJEE2CW	P2M2VJEE2CV	P2M2TJEE2C	P2M2SJEE2C	P2M2TJEE2CW
3/2	V	P2M1VDEE2CV	P2M1TDEE2C	P2M1SDEE2C	P2M1TDEE2CW	P2M1SDEE2CW	P2M1VDEE2CW	P2M2VDEE2CV	P2M2TDEE2C	P2M2SDEE2C	P2M2TDEE2CW
	T	P2M1VCEE2CV	P2M1TCEE2C	P2M1SCEE2C	P2M1TCEE2CW	P2M1SCEE2CW	P2M1VCEE2CW	P2M2VCEE2CV	P2M2TCEE2C	P2M2SCEE2C	P2M2TCEE2CW
	S	P2M1VEEE2CV	P2M1TEEE2C	P2M1SEEE2C	P2M1TEEE2CW	P2M1SEEE2CW	P2M1VEEE2CW	P2M2VEEE2CV	P2M2TEEE2C	P2M2SEEE2C	P2M2TEEE2CW
		P2M1V3ES2CV	P2M1T3ES2C	P2M1S3ES2C	P2M1T3ES2CW	P2M1S3ES2CW	P2M1V3ES2CW	P2M2V3ES2CV	P2M2T3ES2C	P2M2S3ES2C	P2M2T3ES2CW

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3 valve sizes lead to a global choice of tube sizes, thus covering all usual applications



Adaptive pneumatic connection



Clip-On pneumatic connectors

		Tube OD	Size 1	Size 2
Straight connector		G1/8	FMDG1-1	
		4mm	FMD04-1	
		6mm	FMD06-1	FMD06-2
		8mm		FMD08-2
		10mm		FMD10-2
		12mm		FMD12-2
Elbow connector		G1/8	CMDG1-1	
		4mm	CMD04-1	
		6mm	CMD06-1	CMD06-2
		8mm		CMD08-2
		10mm		CMD10-2
		12mm		CMD12-2
Double male union			HMDXX1	HMDXX2
			MMDVA1	MMDVA2
Silencer			PMDXX1	PMDXX2

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Basic peripheral modules (without connector)

		Size 1		Size 2	
Dual flow control		P2M1PXFA	P2M2PXFA		
Dual P.O. check valve		P2M1PXCA	P2M2PXCA		
Pressure regulator		Pressure range	Gauge		
		0 - 2 bar	0 - 4 bar	P2M1PXSR	P2M2PXSR
		Without	Without	P2M1PXST	P2M2PXST
		0 - 4 bar	0 - 7 bar	P2M1PXSM	P2M2PXSM
		Without	Without	P2M1PXSL	P2M2PXSL
		0 - 8 bar	0 - 11 bar	P2M1PXSG	P2M2PXSG
90% Vacuum generator		Without	Without	P2M1PXSN	P2M2PXSN

Clip-on accessories

Description	Connection	Pressure range	Part Number
Clip-on pressure gauge for pressure regulator modules, size 1 or size 2	Clip-on	0 to 4 bar	P2M1K0GT
		0 - 7 bar	P2M1K0GL
		0 - 11 bar	P2M1K0GN
Analog (1 - 5 Vdc) Vacuum Sensor Flying lead 2 m cable	4 mm tube 6 mm tube	0 to -1 bar	MPS-V8T4-AG
		0 to -1 bar	MPS-V8T-AG
Dig. PNP / Ana (4 - 20 mA) Vacuum Sensor 15 cm cable - M8 4 pin's connector	G1/8" male	0 to -1 bar	MPS-V34G-PCI

www.parker.com/pde/p2m

