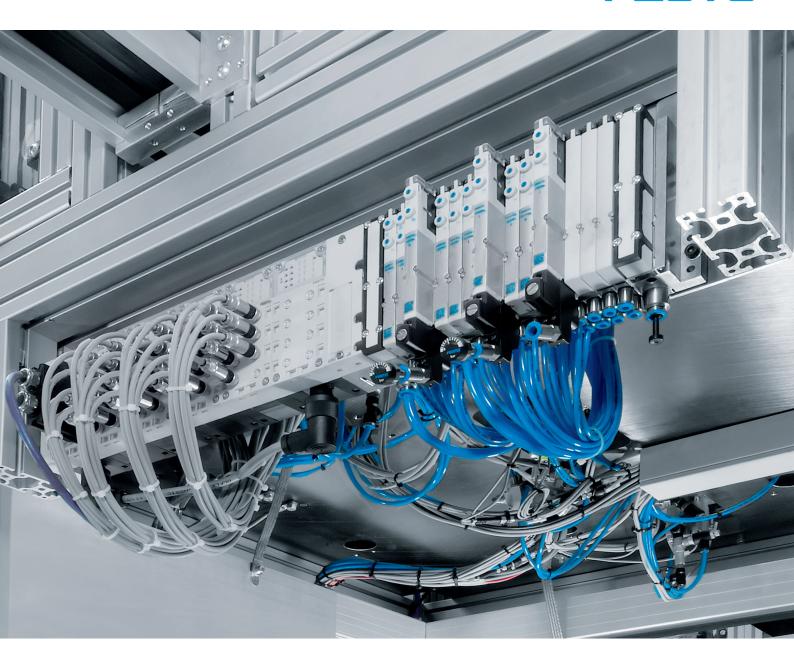
Brief overview of valve terminals

FESTO



From standard products to pioneering connections for Industry 4.0

This selection matrix for valve terminals ...

... will guide you quickly to the right solution. Searching electronically using our Product Finder in the product catalogue is even quicker. The feature selection helps you find the right product extremely quickly and easily.

Figurierenfedo.com/cst/en-pt.ga/productif	p-0×	Products Fests Great Britain >			
Convetienen v @Auseablen					
	_				
Standard nominal flow rate	■ Valve terminals				
O No.	VTUG with multipanisking or fieldbus connection	Value terrinole MPA-L	Value Services MPLC		
Deciriosi connection: CANapen		-	70		
O Albinology	- 2 SECOND	ALC: SECURITION	43356		
9 CANODER	100	A 100	MISSING		
O COLUM	PAGE 1		11/1//4		
OF installation renture		8	1//		
D Secretar	New 40015; additional designs		New product as of Nov. 2014		
O individual connection	- market makes				
O STRECAT	VTSA NPT with multi-pin plug.	VTSA with AS-interfece	VTSANPT with AS-interface		
O Strange	connection	connection	connection		
O Fresh FB					
O Integrate controller	- Selfert	- 100	. 100		
	THE WARRENCE TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NA	460	460		
Elec, number of value positions					
		100	100		
î-	-	1 100	7 - 2		
	1				
Min.	-	-			
Protection class: IP60 IP67	WINLS with CTS berning	MEAS with resillation shape	MOLE with A Carbonium		
D 645		connection	somection		
O Pa) O Miles 4					
Phip sockets (P40) White borning (P55)					
O more					
O MIK		30000			
Mar. no. of pressure zones	1		7.00		
	-	The state of the s	The Address of		
0	- 1		1000		
Min.					
	VTSAFART with multiple play	VTSA Ewin AS interfere	VTSA/SAFT with AS interfere		
Valve function: 3/2 closed, monostable	- consider	namedian	esmection		
53 closed 53 cheeded					
		and the	artis.		
B 32 ricent monotoble	THE SHARES	4,000	4,000		
O 10 coen, monostatile					
O 50 prescried	all controls	100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
© 50 personned	100000000000000000000000000000000000000	147 (200)	147.158		
50, pot 2 pressurted, 4 exhausted	1	1.00	and a state of		
62 exhausted	-				
40 tensis					
AC monoditie	CPYSSAP	OPV-00-FB	Value Services VTUD-12		
C 3/07 rimed executable	0.1000		1001 2010 00 1100 12		
C 202 contitional manualitie					
	12				
Operating pressure			S.o.		



For a quick pre-selection: Requirements at a glance

Simple and cost-effective fixed-grid valve terminals
VTUG, CPV

Modular valve terminals with a combination of valve sizes

MPA-L with CPX terminal

Intelligent valve terminals with maximum possible function integration MPA-S, VTSA/VTSA-F with CPX terminal

Easy-to-clean valve terminal MPA-C

Compact and weight-optimised valve terminals

VTUB-12, CPV-SC

 $\begin{array}{l} \textbf{Pilot/miniature valve terminals} \\ \textbf{VTOC, MH1} \end{array}$

Valve terminals Electrical peripherals		Flow rate (litres/min. per valve, max.)		Electrical inputs (max. per valve terminal)						
			8	16	64	92	144	21 Decentralised		
	CPV Universal, compact in a fixed grid, powerful, CPI and I-Port interfaces Approvals: c UL us - Recognized (OL), C-Tick	400 800 1600	1)	1)						
	VTUG with plug-in Universal, compact sub-base, high flow rate, I-Port interface	330 630 1300								
	VTUB 12 with I-Port interface Universal, very economical, lightweight and corrosion- resistant thanks to polymer technology	400								
	Fieldbus module CTEU/I-Port connection block CAPC Flexible fieldbus and installation concept with up to 2 I/116E) or valve terminals.	O modules (CTSL-D-		3)						
	MPA-S/MPA-L with CPX Universal, modular, flexible, serial valve actuation, with electrical I/O and technology modules via CPX (Industry 4.0/IoT)	360 670 700/850								
	VTSA/VTSA-F with CPX – ISO 15407-2 and 5599-2, modular, combination of 5 valve sizes, high pneumatic functionality, with electrical I/O and technology modules via CPX (Industry 4.0/IoT)	550/700 1100/1350 1300/1850 2900/2900 4000/4000								
	CPI system and CTEL system via CPX Decentralised installation systems. CPI system up to 4 strings with 4 further participants each. CTEL system for 4 individual I-Port participants.							1)		
No.	CPX terminal: multi-functional, modular and with flexible Independent platform, extensive diagnostics and function Options: remote I/O, remote control and motion control Industry 4.0/Internet of Things (IoT) via OPC-UA	on integration.								
	MPA-C Clean Design IP69K, I-Port interface	760								
0	VTOC Compact, flexible 2x 3/2-way pilot valves, I-Port interface	10								
- 45	CPV-SC Maximum compactness in a square design 40 x 40 mm	170								
THE THE PARTY OF T	MH1 Compact, vacuum-compatible, 3/2 and 2/2-way pilot valves with short switching times	10								

¹⁾ Only via CPI system/CP string extension

²⁾ For example: manual pressure regulator, pressure gauge, flow control plates, pressure shut-off plates (hot swap), compressed air supply, integrated non-return functions, back pressure flaps

³⁾ Via CTEU/CAPC system, up to 32 inputs or 96 valves

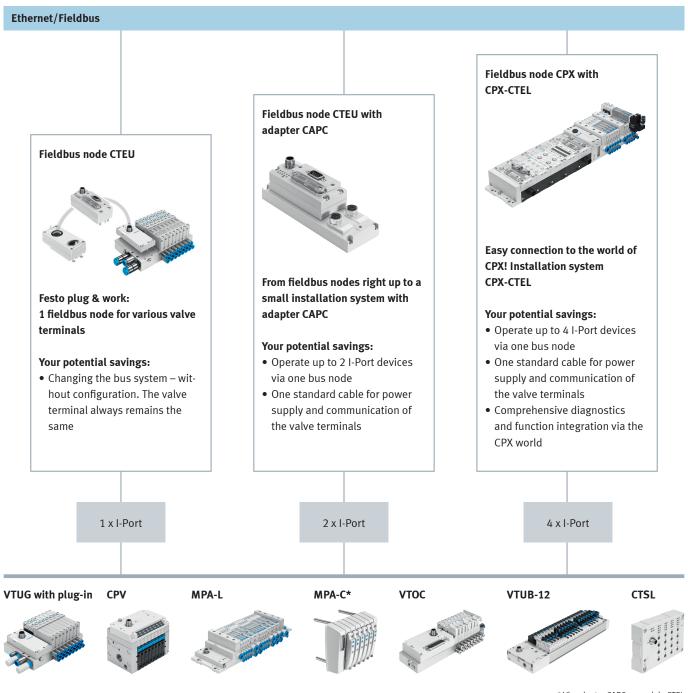
Number of solenoid coils (max. per valve terminal)	Function int	ntegration table to the state of the state o	Electrical connection	Valve cha- racteristics	Degree of protection	Diagnos- tics
	sure regulator ol, Soft Stop	Servo-pneumatic positioning system Multi-axis interface for el. axes Safety engineering, valve Interlock Pressure build-up/exhaust valve Electrical voltage zones Vertical stacking Pneumatic multiple connector plate for control cabinet	Communications protocol (10/07) (1/07) (1/07)	ones		oriented nance/CMS Monitor OPC-UA
8 16 24 32 40 48 56 64 12	Pressure sensor Proportional pressure regulator End-position control, Soft Stop Servo-meumatic nositioning sy	Servo-pneumatic positioning sys: Multi-axis interface for el. axes Safety engineering, valve Interlock Pressure build-up/exhaust valve Electrical voltage zones Vertical stacking Pneumatic multiple connector plate fo	Multi-pin plug IO-Link, I-Port AS-Interface DeviceNet PROFIBUS INTERBUS® CANOPEN CC-Link® EtherCAT Etheret/IP Modbus/TCP Profinet/IO RT POWERLINK Sercos III CODESYS controller V3 (14.0/IOT)	Directly actuated Piloted Vacuum Several pressure zones	IP40 IP65 IP67 IP69K Explosion-proof	Status bit Module-/channel-oriented Preventive maintenance/CMS Web-based, Web Monitor OPC-UA
		2)	6 6			
			6) 6)			
9						
		2)	5)		5) 8)	Ш
	4)	2)				
	4)		n			
			9 9 9			
			6) 6) 6) 6) 6) 6) 6) 6) 7			

Via CPX -4AE-P-... Module
 MPA-L only
 With CP interface, via CPX-CTEL- ... Installation system (I-Port interface) or adapter CAPC with bus node CTEU possible

 $^{^{7)}}$ IO-Link interface via CPX-CTEL-LK... bus node only possible in conjunction with PROFINET and Sercos III $^{8)}$ MPA-S only

Save money - with Festo's I-Port technology

Simple, modular and cost-effective: the I-Port is Festo's new universal communication interface. With the I-Port numerous products can be connected to fieldbuses or directly to IO-Link. Small installation systems can be implemented simply and cost-effectively via the adapter CAPC or the module CPX-CTEL-....



* Via adapter CAPC or module CTEL

Tip: Position the valve terminal as close as possible to the actuator! This ...

- ... optimises cycle times
- ... reduces air consumption
- ... lowers installation costs

Maximum productivity is a question of ambition

Do you share this attitude? We would be happy to help you achieve this goal through our four outstanding characteristics: Security, Efficiency, Simplicity, Competency

We are the engineers of productivity.

Discover new dimensions for your company: