SERIES 580



580 CHARM Node

The 580 CHARM node provides direct connectivity of pneumatic manifolds to DeltaV with Electronic Marshalling. The node connects directly to the CHARM I/O baseplate via 2 cables which attach to CHARM column extender. The cables provide redundant communication and power to the pneumatic manifold and allow the 580 CHARM node to be directly controlled by DeltaV Explorer. The 580 CHARM node configures the same as a DO CHARM.



Description	Replacement Part Number						
580 CHARM Module (node)	P580AECH1010A00						

Technical Data

Electrical Data	Voltage	Current		
Bus Power	6.3 V	100 mA		
Valve Power	24 V	1.07 Amps		
Power and Bus Connector	A-Coded 5 Pin M12 Male			
LEDs	Module Status and Network Status			

Operating Data							
Temperature Range -23 °C to 46 °C (-10 °F to 115 °F)							
Humidity	95% Relative Humidity, Non-condensing						
Vibration/Shock	IEC 60068-2-27, IEC 60068-2-6						
Moisture	IP65						

Configuration Data							
Graphic Display	Display used for setting CHARM address and other system settings						
Maximum Valve Solenoid Outputs	48 for 501/502/503						

Network Data							
Power and Bus Connector	A-Coded 5 Pin M12 Male						
Diagnostics	Power, short, open load conditions are monitored						

Weight							
CHARM Communications Module	320g/11.3 oz						

580 CHARM Power and Communication Cables and Accessories	Replacement Part Number					
1.5 Meter Cables with M12 and Sub-D Connectors	P599AF519387001					
0.5 Meter Cables with M12 and Sub-D Connectors	P599AF519387002					
Valve Power Isolator	P599AF516881001					

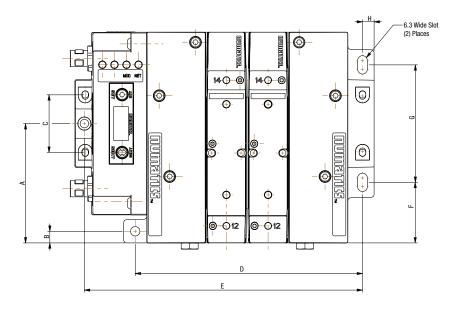
NOTE: Cables are not included with node and must be ordered separately.

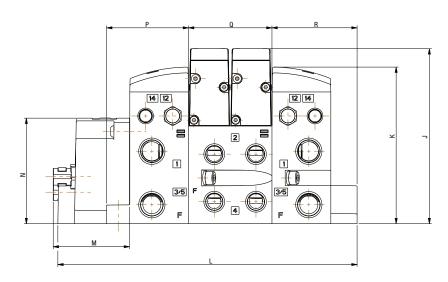


Dimensions: mm (inches)

580 Fieldbus Manifold Assembly

503 Series Valve Manifold Assembly with 580 Electronics





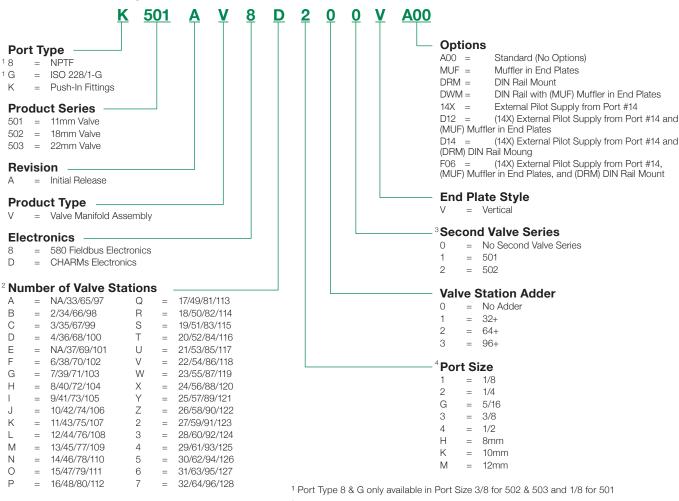
Α	В	С	D	E	F	G	Н	J	K	L	М	N	Р	Q	R
77	7.5	38	147.1	180	39.1	75.8	7.5	113	101	194	49.4	68.1	53	54	55.1
(3.032)	(0.295)	(1.5)	(5.79)	(7.087)	(1.539)	(2.984)	(0.295)	(4.449)	(3.976)	(7.638)	(1.945)	(2.681)	(2.087)	(2.13)	(2.169)

^{*} For valve manifold dimensions refer to Valve Series product catalogs



How to Order

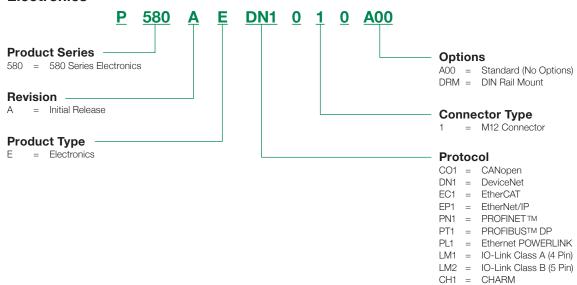
Manifold Assembly



How to Order

Electronics

 $^{^4\,501}$ Port Sizes 1/8, 1/4, 5/16, 8mm, 502 and 530 Port Sizes 3/8, 1/2, 10 and 12mm



 $^{^2}$ 501 not available with 2 stations, 502 and 503 only available with an even number of stations and with up to 80 valve solenoids

 $^{^{\}rm 3}$ With 502 11mm (501) valve available, with 503 18mm (502) valve available