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TECHNICAL BULLETIN

Logix 520MD S9ri9s

Digital Positioner

FCD LGENTB0520-03 01/11





Ordering Information

Family	Series	Communication / Diagnostic	Software	Certifications	Housing	Threaded Conn.	Feedback Shaft	Temperature	Language	Position Indicator	Options	Add-in Electronics	Limit Switches										
Logix	5	XX	XX	XX	X	X	X	X	X	X	X	X	X										
		AA	BB	CC	D	E	F	G	H	I	J	K	L										
Positioner Model																							
Standard												5											
Communication and Diagnostic																							
520 HART - Standard												20	MD										
521 HART - Advanced												21	MD										
522 HART - Pro Diagnostic												22	MD										
Certifications																							
Intrinsically Safe Class I, Div 1, Groups A,B,C,D (Factory Mutual / CSA)												-02-											
Nonincendive Class I, Div.2 (FM), Class I, Div.2 (CSA)												-08-											
General Purpose												-14-											
Ex ia IIC, ATEX II 1G												-15-											
Housing																							
Flowserve: Aluminum, Black with white cover												W											
Flowserve: Aluminum, Black with yellow cover												Y											
Flowserve: Aluminum, Black												B											
Threaded Connections																							
1/2 NPT conduit, 1/4 NPT pneumatic												1											
M20 conduit, 1/4 NPT pneumatic												2											
1/2 NPT conduit, 1/4 NPT pneumatic, 1/4 NPT aux. vent												3											
M20 conduit, 1/4 NPT pneumatic, 1/4 NPT aux. vent												4											
Feedback Shaft																							
D Shaft - 316SS (Valtek Standard)												D											
VDI/VDE 3845 (NAMUR)												R											
Temperature																							
-40 °C to 85 °C (-40 °F to 185 °F)												E											
Language																							
English												E											
Position Indicator																							
No indicator												0											
Flat												F											
Domed												D											
Special Options																							
Standard												0											
Add-in Electronic Circuits																							
None												0											
4-20 mA Feedback												F											
Limit Switches																							
No switches												0											
Mechanical limit switch												1											
Reed switch												2											
Slot type Namur sensor, P+F NJ2 V3 N												3											
Slot type Namur sensor, P+F SJ2 S1N												4											
Slot type Namur sensor, P+F SJ2 SN												5											
Slot type Namur sensor, P+F SJ2N												6											

Mdnifold dnd GdJg9 Options Ord9ring Informdtion

Manifold Options (MM)	Manifold Options	Gauge Options		
	XX	X		
	MM	N		
No manifold		00		
Double acting		DA		
Gauge adapter		GA		
Gauge manifold - NPT Threads		GM		
Gauge manifold - G Threads		GC		
VDI/VDE 3847 semi-integrated manifold		VE		
Gauge Options (N)				
	DA	GA	GM	
No gauges	x	x	x	0
Output, PSI/BAR/KPA Stainless steel with brass internals (qty. 1)		x	x	1
Output + Supply, PSI/BAR/KPA Stainless steel with brass internals (qty. 2)			x	2
Output + Output PSI/BAR/KPA Stainless steel with brass internals (qty. 2)	x			3
Output, PSI/BAR/KPA Stainless steel with stainless steel internals (qty. 1)		x	x	4
Output + Supply, PSI/BAR/KPA Stainless steel with stainless steel internals (qty. 2)			x	5
Output + Output, PSI/BAR/KPA Stainless steel with stainless steel internals (qty. 2)	x			6
Output, Kg/Cm ² /PSI Stainless steel with brass internals (qty. 1)		x	x	7
Output + Supply, Kg/Cm ² /PSI Stainless steel with brass internals (qty. 2)			x	8
Output + Output, Kg/Cm ² /PSI Stainless steel with brass internals (qty. 2)	x			9
Output, Kg/Cm ² /PSI Stainless steel with stainless internals (qty. 1)		x	x	A
Output + Supply, Kg/Cm ² /PSI Stainless steel with stainless steel internals (qty. 2)			x	B
Output + Output, Kg/Cm ² /PSI Stainless steel with stainless steel internals (qty. 2)	x			C
Any KPA gauges	x	x	x	D
Output + Output + Supply, PSI/BAR/KPA Stainless steel with brass internals (qty. 3)	x			E
Output + Output + Supply, PSI/BAR/KPA Stainless with stainless steel internals (qty. 3)	x			F
Output + Output + Supply, Kg/Cm ² /PSI Stainless steel with brass internals (qty. 3)	x			G
Output + Output + Supply, Kg/Cm ² /PSI Stainless with stainless steel internals (qty. 3)				H
VE Gauge Options - Consult Factory				

C9rtificdtions

Noified Body	Approval	Temperature Codes	Enclosure Rating
	Intrinsically Safe: Class I Division 1 Groups A,B,C,D Class 1, Zone 0, AEx ia IIC	T4 T _{amb} ≤ 85 °C	NEMA 4 X
	Nonincendive: Class I Division 2 Goups A,B,C,D	T4 T _{amb} ≤ 85 °C	NEMA 4 X
	Intrinsically Safe: Class I Division 1 Groups A,B,C,D	T4 T _{amb} ≤ 85 °C	Type 4X
	Non-Incendive: Class I Division 2 Goups A,B,C,D	T4 T _{amb} -40°C to +85°C T5 T _{amb} -40°C to +55°C T6 T _{amb} -40°C to +40°C	Type 4X
	Intrinsically Safe: IIIG Ex ia IIC	T4 T _{amb} -40°C to +85°C T5 T _{amb} -40°C to +55°C T6 T _{amb} -40°C to +40°C	IP65
	Category 3 II 3 G Ex ic IIC	All Models Except MD T4 T _{amb} -40°C to +85°C T5 T _{amb} -40°C to +55°C T6 T _{amb} -40°C to +40°C Model 500MD T5 T _{amb} -40°C to +85°C T6 T _{amb} -40°C to +40°C	IP65
	Intrinsically Safe: 0Ex ia IICT4X 0Ex ia IICT5X 0Ex ia IICT6X	T4 T _{amb} -40°C to +85°C T5 T _{amb} -40°C to +55°C T6 T _{amb} -40°C to +40°C	IP65
UKRAINE	Intrinsically Safe: 0Ex ia IIC T4 - T6	T4 T _{amb} -40°C to +85°C T5 T _{amb} -40°C to +55°C T6 T _{amb} -40°C to +40°C	IP65
KOSHA 520si	Intrinsically Safe: Ex ia IIC	T5 (T= -40°C to +85°C)	IP65