



Logix 500si

Product
Information



Experience In Motion



Logix 500si

Logix 500si is a digital positioner that is very simple and quick to set and calibrate, set DIP switches and press “Quick cal” button. Optional plug modules offers limit switches. Communication via HART is possible.

- Modular
- Flexible
- Rotary and Linear
- Add in switches
- VDI/VDE 3847
- VDI/VDE 3845
- HART option, Logix 520si
- 4–20 mA Feedback option, Logix 510si

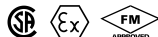
1. Add in switch option
2. Gain adjustment
3. Quick calibration
4. Dip switch configuration
5. LEDs for status indication



Logix 520si HART

Hazardous Locations

Intrinsically safe:



ATEX II 1 G Ex EEx ia IIC T4–T6

CSA, FM Class 1, Div 1, Group ABCD

Technical data

Input signal		4–20 mA
Compliance Voltage		6 V DC 510si, 12 V DC 520si
Supply Voltage (max)		30 V DC
Min. operating current		3,6 mA
Angle of rotation	(rotary)	0–90° normal
	(linear)	0–40° minimum
Supply air quality		Free from moisture, oil, dust ISA –7.0.01
Input pressure range		1,5–6 bar (22–87 psi)
Air consumption		0,12 Nm ³ /h @ 6 bar (4,12 SCFM @ 87 psi)
Output signal		0–100% of air supply pressure
Air delivery capacity		7 Nm ³ /h @ 6 bar (4,12 SCFM @ 87 psi)
Linearity		<±1%
Resolution		<0,3%
Repeatability		<0,5%
Deadband		<0,5%
Operating temperature	(standard)	–20°C to +80°C (–4°F to +178°F)
Low temp option		–40°C to +80°C (–40°F to +178°F)
Transport and storage temperature		–40°C to +80°C (–40°F to +178°F)
Operating humidity		0–100% non–condensing
Ingress protection		IP65/NEMA 4X
Housing material		Cast aluminium, powder painted
Soft goods		Nitrile
Weight		1,2 kg (2,7 lbs)
Air connection		¼" NPT
Cable entry		2 x M20x1,5 or NPT ½"
Terminals		Screw terminals 2,5 mm ² (AWG 14)
Approvals		ATEX EEx ia IIC T4–T6 II 1 G CSA/FM Div.1, Cl. 1, Group A–D
Mechanical Switches		
Type		SPDT
Size		Sub Sub miniature
Rating		100 mA/ 30 V DC/ 42 V AC
Namur Sensors		
Type		Inductive DIN 19234 Namur P+F
Load Current		< 1 mA >3 mA
Voltage range		5–25 V DC
Hysteresis		0.2%
Temperature range		–20°C to 85°C (–4°F to 185°F)
Proximity switches		
Type		SPDT
Rating		100 mA/ 30 V DC/ 42 V AC
Operating time		0.7 ms
Breakdown voltage		200 V DC
Contact resistance		0.1
Mechanical/electrical life		>50 x 10 ⁶ operations



Flexible mounting



Flowact



VDI/VE 3847



VDI/VE 3845

Modular



Logix 500si with optional mounting brackets and gauge block.



p/n: FCD PMENBR0004-02



Hazardous Locations   
 ATEX II 1 G  EEx ia IIC T4-T6
 CSA, FM Class 1, Div 1, Group ABCD

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