



	CLOSE	OPEN
CLS 1-2	-----	-----
CLS 1-3	-----	-----
OLS 1-2	-----	-----
OLS 1-3	-----	-----
ACLS 1-3	-----	-----
AOLS 1-3	-----	-----
CTS 1-3	CLOSING TORQUE SWITCH INTERRUPTS CONTROLS IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE	
OTS 1-3	OPENING TORQUE SWITCH INTERRUPTS CONTROLS IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE	

- CLS: CLOSE LIMIT SWITCH (250VAC, 15A MAX)
- OLS: OPEN LIMIT SWITCH (250VAC, 15A MAX)
- CTS: CLOSE TORQUE SWITCH (250VAC, 15A MAX)
- OTS: OPEN TORQUE SWITCH (250VAC, 15A MAX)
- ACLS: AUX. CLOSE LIMIT SWITCH (250VAC, 15A MAX)
- AOLS: AUX. OPEN LIMIT SWITCH (250VAC, 15A MAX)
- CC: CLOSE MAGNETIC COIL
- OC: OPEN MAGNETIC COIL
- TP: THERMAL PROTECTOR

--- DENOTES CUSTOMER SUPPLIED ITEM

ACTUATOR SHOWN IN MID POSITION.

**FORUM ENERGY TECHNOLOGIES** Valve Solutions  
 ABZ Valves & Controls

Title: **Wiring Diagram**

Parts:  
 ABZ 015 thru ABZ 250 Electric Actuator  
 380 VAC Three Phase  
 Open / Close Service with Latching Configuration Shown  
 Interl Motor Starter (IMS)  
 Auxiliary Limit Switches  
 Local Control Unit Push Button

DWG No.	Date	Drawn	Checked	Approved	Revision
WSB000-E1F-A1-L-X	09-05-12	BC	TP	TH	0