



	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

FORUM Valve Solutions
 ENERGY TECHNOLOGIES ABZ Valves & Controls

Title: **Wiring Diagram**

Parts:
 ABZ 015 thru ABZ 250 Electric Actuator
 440 VAC Three Phase
 Open / Close Service with Latching Configuration Shown
 Internal Motor Starter (IMS)
 Auxillary Limit Switches

DWG No.	Date	Drawn	Checked	Approved	Revision
WSB000-F1E-A1-X	07-06-12	BC	TP	TH	0