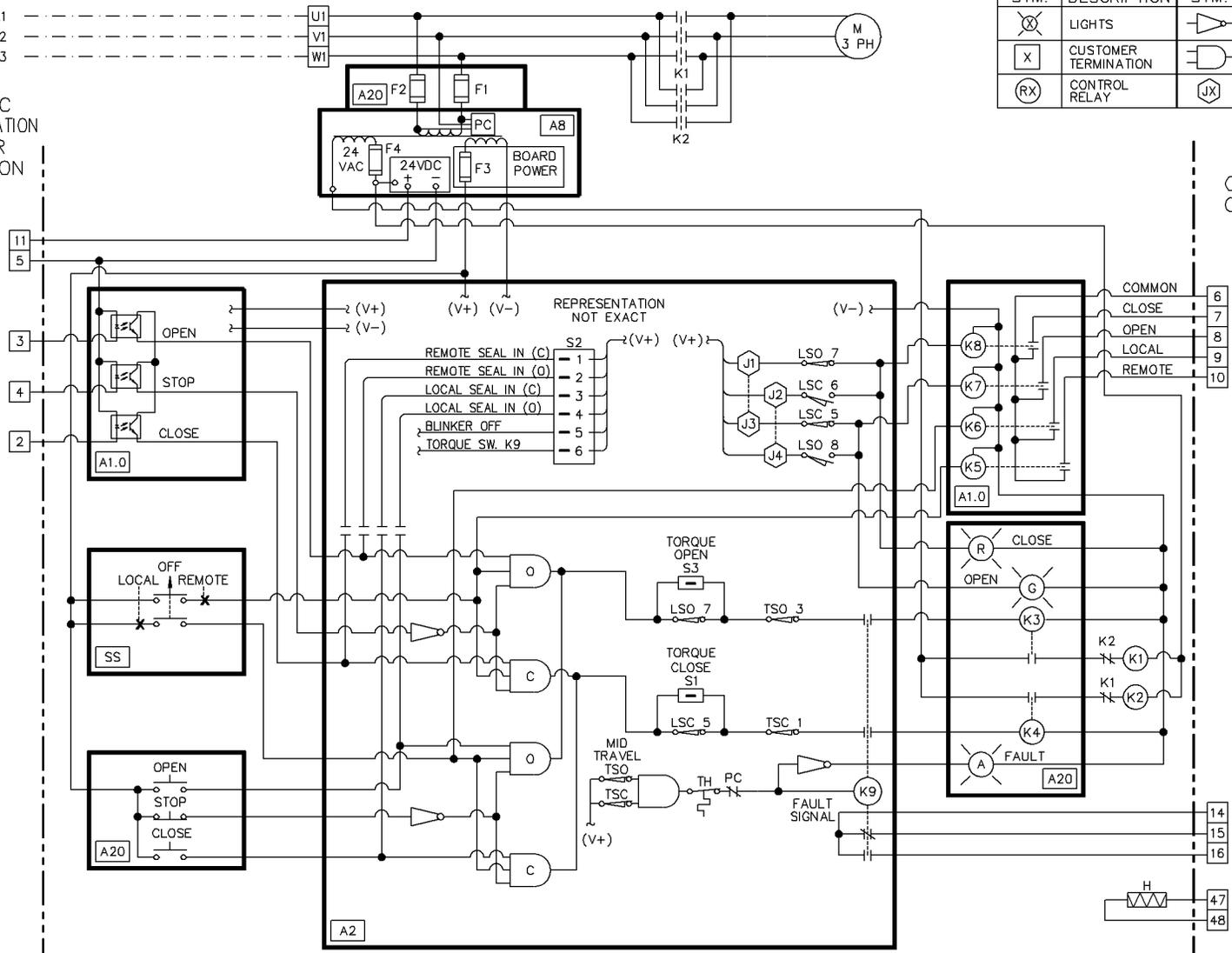


3 PHASE SUPPLY POWER L1 L2 L3

TYPICAL SCHEMATIC REPRESENTATION CUSTOMER CONNECTION

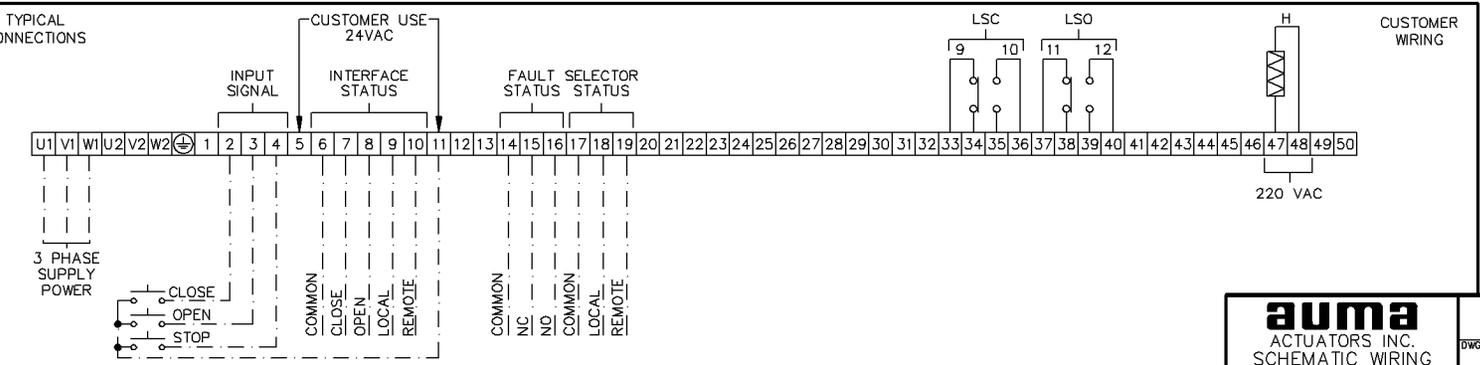


SYM.	DESCRIPTION	SYM.	DESCRIPTION
(X)	LIGHTS	(INVERTER)	INVERTER
(X)	CUSTOMER TERMINATION	(AND)	AND GATE
(RX)	CONTROL RELAY	(JX)	SOLDER LINKS

LEGEND	
A1.0	INTERFACE BOARD
A2	LOGIC BOARD
A8	POWER SUPPLY
A20	MONITOR/CONTROL BOARD
F1-F2	PRIMARY FUSE
F3-F4	SECONDARY FUSE
H	HEATER
K1-K2	REVERSING CONTACTOR
K3-K4	INTERPOSING RELAYS
K5-K8	STATUS RELAY
K9	FAULT SIGNAL RELAY
LSC (WSR)	LIMIT SWITCH CLOSE
LSO (WOL)	LIMIT SWITCH OPEN
M	MOTOR
PC	PHASE CORRECTION
S1	SW.-TORQUE SEATING, OPEN
S2	SW.-SEAL-IN, BLINKER, TORQUE FAULT
S3	SWITCH - TORQUE SEATING, CLOSE
SS	SELECTOR SWITCH
TH	MOTOR THERMAL SW. (AUTO-RESET)
TSC (DSR)	TORQUE SWITCH CLOSE
TSO (DOL)	TORQUE SWITCH OPEN

CONTACT	VALVE POSITION			
	OPEN	INTERMEDIATE	CLOSE	
TSC 1	Close	Open	Close	Open
TSC 3	Close	Open	Close	Open
TSO 4	Close	Open	Close	Open
LSC 5	Close	Open	Close	Open
LSC 6	Close	Open	Close	Open
LSO 7	Close	Open	Close	Open
LSO 8	Close	Open	Close	Open
LSC 9	Close	Open	Close	Open
LSO 10	Close	Open	Close	Open
LSC 11	Close	Open	Close	Open
LSO 12	Close	Open	Close	Open

TYPICAL CONNECTIONS



NOTES:

- Field wiring by others
- Paired switches within brackets must have same voltage
- Actuator drawing shows the unit in the mid-position
- Fault signal K9 shown in fault condition. *Fault signal includes: (collective)
 - Thermal overload
 - Loss of power
 - Loss of phase
 - Torque SW. Trip (Mid-Travel)
- J1-J3 solder links for lights on in mid travel or J2-J4 solder links for lights on at end of travel
- Drawing shown without phase correction. Open-close will be switched if activated.

auma
ACTUATORS INC.
SCHEMATIC WIRING

3 PHASE MATIC INTERFACE	15/11/1999	FIRST ISSUE	GW	TL	0
WIRING DWG	08/23/04	DESCRIPTION	BY/DATE	APP/DATE	REV
MSP 1110KC3--F 18 B 1 KMS TP100/201 -S					