3.16 PSVO Servo Control Module

The following hardware combination is approved for use in hazardous locations:

- Servo control I/O pack **IS220PSVOH1A**
- Terminal board (accessory) **IS200TSVCH2A**
- Servo driver (accessory) **IS210WSVOH1A**

- Servo control I/O pack **IS220PSVOH1B**
- Terminal board (accessory) **IS200TSVCH2A**
- Servo driver (accessory) **IS410WSVOH1A**

3.16.1 Electrical Ratings

Item	Min	Nominal	Max	Units
Power Supply				
Voltage	27.4	28.0	28.6	V dc
Current	—	—	1.0	A dc
LVDT Inputs				
Voltage	—	—	7.14	V ac
Frequency	—	3.2	—	KHz
Speed Inputs				
Voltage	-15	—	15	V dc
LVDT Excitation Outputs				
Voltage	6.86	7.00	7.14	V ac
Current	—	—	127	mA ac
Frequency	3.0	3.2	3.4	KHz
Servo Outputs				
Voltage	-10	—	10	V dc
Current	-120	—	120	mA dc
Speed Sensor Power Output				
Voltage	22.8	24.0	25.2	V dc
Current	—	40	—	mA dc

3.16.2 Field Wire Connections

For servo control terminal boards (accessories) certified for HazLoc, refer to the table *Euro Style Box-type Terminal Blocks* for wire size and screw torques.

The servo outputs require a minimum resistive load of 27 Ω (TSVO Req + external Rcoil) to operate as intrinsically safe.