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ENGINEERING APPLICATION DATA FORM

Company Name: _____ Date: _____
 Address: _____ Phone: _____
 _____ Fax: _____
 Engineering Contact: _____ Email: _____
 Purchasing Contact: _____

1. Commercial Data and Timing

Layout drawing needed by: _____ Prototype(s) needed by: _____ Qty: _____
 Describe prototype testing to be performed: _____

Production requirements and timing: _____

Target price for start-up volume: _____
 Target price for full production volume: _____

What other sources are being considered: _____

What is the annual projection for year: 1st: _____ 2nd: _____ 3rd: _____ 4th: _____ 5th: _____
 Describe potential buying patterns/seasonal variations: _____

2. Application Description

Briefly describe the application and function required (attach actual layout): _____

Clutch Clutch/Coupling Brake Clutch/Brake
 Actuation: Spring Electrical Hydraulic Air Mechanical
 If spring engaged, is manual release required: Yes No

Is an overload function required: Yes No
 Is positive engagement for registration needed: Yes No
 Is single or multiple position engagement needed: _____ How many positions: _____

Is this a new application: Yes No
 Existing Make: _____ Model (attach drawing): _____

Describe any issues with the present unit: _____

Torque (lb-ft): Static: _____ Starting: _____ Peak: _____
 Driving source: _____ HP: _____ Driven member: _____
 System torque (lb-ft): _____ System inertia (lb-ft²): _____
 Speed at engagement (RPM): _____ Can you engage at zero speed: Yes No
 Maximum speed: _____ Acceleration/Deceleration time: _____
 _____ To what speed: _____
 Cycle rate: Time On (sec): _____ Time Off (sec): _____ Life (cycles): _____
 Cycles per minute: _____ Energy to dissipate (BTU/min): _____

3. Environment

Describe the unit's installation environment: _____

Ambient temperature: _____ Max (degrees C): _____ Min (degrees C): _____

Voltage Available: AC: _____ DC: _____ Nominal Voltage: _____ Min Voltage: _____ Max Voltage: _____
Max Current (Amps): _____

4. Installation Considerations

Space limitations: Max diameter: _____ Max length: _____ Shaft size: _____

Horizontal or Vertical Mounting: _____ If vertical, specify which end is up: _____

Describe any special requirements (ie. special connectors, lead length, etc.): _____

5. Control Options

Do you need a power supply: Yes ___ No ___

Are you planning to interface with a PLC or a computer: Yes ___ No ___

Is overenergization feasible: Yes ___ No ___

Is arc suppression necessary: Yes ___ No ___

Do you need engagement or disengagement sensors: Yes ___ No ___

6. Miscellaneous Considerations

What level of idle torque is permissible (lb-ft): _____

Is idle torque desirable: Yes ___ No ___

Will unit be disengaged under load: Yes ___ No ___

At what speed: _____ At what load: _____

How much backlash is permissible (degrees maximum): _____

Are there any additional features you feel would be needed: _____

Submitted by: _____ Title: _____

Phone: _____ Fax: _____ Email: _____