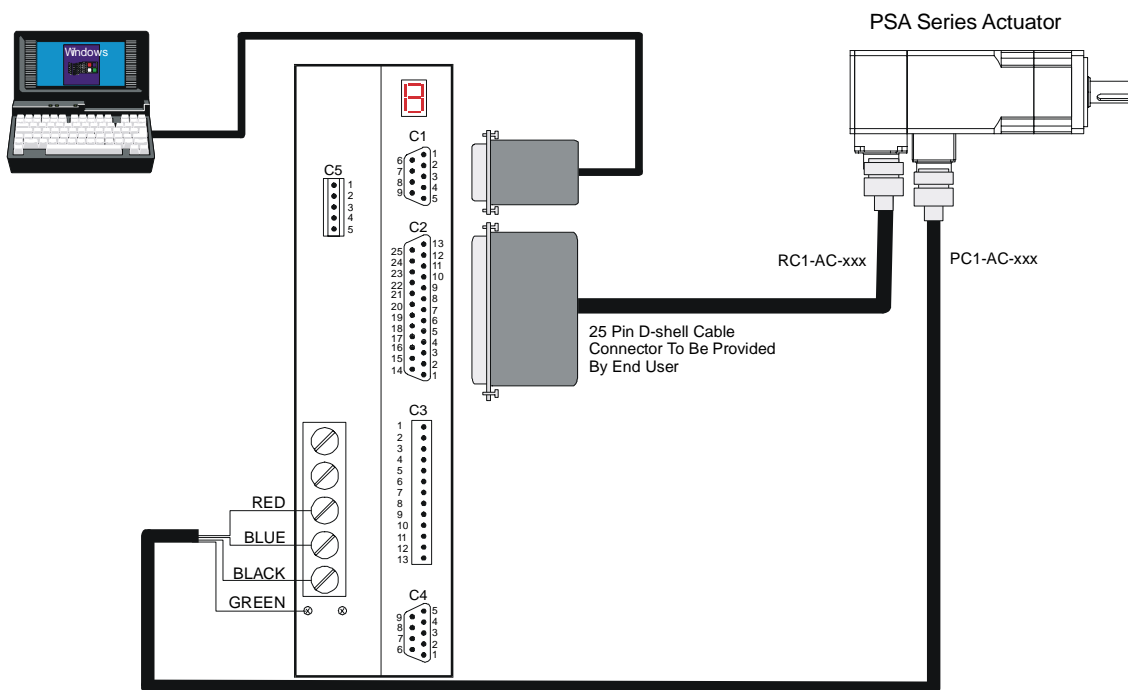


Basic PSA Series Parameter Settings for Kollmorgen SERVOSTAR CD Drives (1)					
		PSA60	PSA90	PSA115	PSA142
Maximum Speed	RPM	5000	3000	3000	2400
Back EMF Compensation	%	50	50	50	50
Motor Inertia	Kg-m ²	See Inertia Table in section 6.0			
Motor Poles		6	6	8	6
AGain @ Peak Current	%	40	40	40	40
AGain @ Cont. Current	%	70	70	70	70
AGain@ Zero Current	%	100	100	100	100
Torque Advance P	Elec. Degrees	23	23	23	23
Torque Advance C	Elec. Degrees	10	10	10	10
Speed Advance V	Elec. Degrees	25	25	25	25
Speed Advance ½ V	Elec. Degrees	15	15	15	15

Note 1 Appropriate motor files may be obtained from Exlar and downloaded to SERVOSTAR CD drives. Use user.m03 file found on www.exlar.com

6.5a Kollmorgen SERVOSTAR Drive with PSA Series Actuator (O Connector Option)

SYSTEM OVERVIEW



Motor Cable PC1-AC-XXX			
Exlar Connector	Wire Color	Function	SERVOSTAR Connector
A	Red	Phase A	Ma
B	Black	Phase C	Mc
C	Blue	Phase B	Mb
D	Green	GND	⊕
E			

Resolver Cable RC1-AC-XXX			
Exlar Connector	Wire Color	Function	C2 Connector
G	Black	Sine Hi (S3)	1
S	Red	Sine Lo (S1)	2
D	Bare	Shield	3
H	Yellow	Cos Hi (S2)	4
F	Blue	Cos Lo (S4)	5
D	Bare	Shield	6
D	Bare	Shield	14
R	Yellow/White	Ref Hi Out (R2)	15
E	Red/White	Ref Lo Out (R1)	16
N	Black/White	Therm Hi	13
U	Blue/White	Therm Lo	25