

AKD Series Drive Connections for the Goldline Series Motors Rev. J 8/30/2019

Goldline Motors' Resolver Feedback Connections

AKD X10 Feedback Connector	“Euro” Motor Resolver Connector MT(XT) Height and Low voltage versions, BH and MH series	“MS” Motor Resolver Connector B and M series	Resolver Flying Leads EB Motor Series	Resolver Signal Description
6	9	E	Red/White	Ref Lo
7	5	F	Yellow/White	Ref Hi
14	7	B	Black	Sin Hi
15	3	A	Red	Sin Lo
12	8	D	Blue	Cos Lo
13	4	C	Yellow	Cos Hi
8	2	T	White	Thermal Sen
9	6	U	White	Thermal Sen

NOTE: Always use Shielded Cables

The standard feedback and power cables that are used with the AKD servo drive and AKM servo motor can be used with the MT(XT) high and low voltage versions, the BH and the MH motors that use the Euro style connectors.

Goldline Motors' Power Connections

AKD X2 Motor Power Connections	“Euro” Motor Resolver Connector MT(XT) High and Low voltage versions, BH and MH series	“MS” Motor Resolver Connector B and M series	Power Connections Flying Leads EB Motor Series	Motor Phase Connection Description
U	1	C	White	C
V	4	B	Red	B
W	3	A	Brown	A
PE	2	D	Green/Yellow	D
+Br	A	N (resolver conn)	Blue	+ 24 Brake
-Br	B	P (resolver conn)	Blue	-24 Brake

NOTE: Always use Shielded Cables

AKD Resolver Feedback Parameter Values

AKD Drive Parameter Settings	MT(XT) High and Low voltage versions	Goldline B, M and BH, MH series	EB Motor Series
Phase Lag	-2.0	-2.0	-2.0
Nominal Transformation Ratio	0.01	0.47	0.47
Position Feedback Poles	2	2	2

AKD Motor.Phase Values

Motor Type	Number of Motor Poles	Motor.Phase Degrees
Goldline EB, M, and B -10X, 20X and 40X	4	240
Goldline EB, M, and B -60X and 80X	6	330
MT(XT) Low Voltage	8	60
Goldline BH and MH	All	0
MT(XT) High Voltage	All	0

Note: Motor.Phase values are correct if wiring is done according to the feedback and motor power conventions in the tables above and motor feedback alignment is set to the Kollmorgen standard.