

# INSTALLATION BULLETIN

PART NUMBER: FA0006H REV: C

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AKMH MOTOR - FLYING LEAD OPTION - DUAL CABLES

AKMH SINGLE CABLE OPTIONS - FLYING LEADS

OPTION "R-" = RESOLVER  
 OPTION "2-" = 2048 COMMUTATING ENCODER  
 OPTIONS "GA", "GB", "GJ", "GK" = HYPERFACE SKX36  
 OPTIONS "DA", "DB" = ENDAT SINE ENCODER  
 OPTIONS "RA", "RB", "RC", "RD" = HYPERFACE SRX50

SAMPLE MOTOR LISTING: AKMH52E-ACLNEE2K  
 R-  
 GB

OPTION LOCATION WITHIN  
 MOTOR LISTING

## POWER LEADS

COMBINED POWER & BRAKE  
 (VIEW FACING FRONT)

FUNCTION	COLOR
GROUND	GRN/YEL
PHASE U	BLUE
PHASE V	BROWN
PHASE W	BLACK
BRAKE +	RED
BRAKE -	BLUE

SHIELDING CONNECTED TO MOTOR  
 GROUND INTERNAL TO MOTOR

## FEEDBACK LEADS

COMMUTATING ENCODER "1-", "2-"  
 (VIEW FACING FRONT)

FUNCTION	COLOR
B	PINK
B	GREY
A	WHITE
A	BROWN
Z	GREEN
Z	YELLOW
GROUND	BLUE
THERMAL+ VIOLET	
THERMAL- BLACK	
Vcc	RED
U	WHITE/GREEN
V	WHITE/YELLOW
W	GREY/PINK

SHIELD IS CONNECTED AT BOTH  
 ENDS OF THE CABLE

ENDAT SINE ENCODER (AKMH 234) "DA, DB"  
 (VIEW FACING FRONT)

FUNCTION	COLOR
A	GRAY
A	PINK
B	BROWN
B	WHITE
DATA	YELLOW
/DATA	GREEN
CLOCK	WHITE/GREEN
/CLOCK	BROWN/GREEN
SENSE+	WHITE/YELLOW
SENSE-	YELLOW/BROWN
Vcc	RED
GND	BLUE
THERM+	VIOLET
THERM-	BLACK

SHIELD IS CONNECTED AT BOTH  
 ENDS OF THE CABLE

RESOLVER "R-"  
 (VIEW FACING FRONT)

FUNCTION	COLOR
THERMAL+ VIOLET	
S4 COS- GREEN	
S3 SIN- PINK	
R2 REF- WHITE	
THERMAL- BLACK	
S2 COS+ YELLOW	
S1 SIN+ GREY	
R1 REF+ BROWN	

SHIELD IS CONNECTED AT BOTH  
 ENDS OF THE CABLE

HYPERFACE SKX36 "GA, GB, GJ, GK"  
 (VIEW FACING FRONT)

FUNCTION	COLOR
SIN +	WHITE
GND	BLUE
COS +	PINK
US	RED
DATA	YELLOW
THERMAL+ VIOLET	
REF SIN BROWN	
REF COS GREY	
DATA GREEN	
THERMAL- BLACK	

SHIELD IS CONNECTED AT BOTH  
 ENDS OF THE CABLE

HYPERFACE SRX50 "RA", "RB", "RC", "RD"  
 (VIEW FACING FRONT)

FUNCTION	COLOR
EPWR	RED
ECOM	BLUE
SIN -	BROWN
COS -	GREY
DATA +	YELLOW
DATA -	GREEN
SIN +	WHITE
COS +	PINK
THERM +	VIOLET
THERM -	BLACK

SHIELD IS CONNECTED AT BOTH  
 ENDS OF THE CABLE

### NOTES:

- REFER TO OUTLINE DRAWING / PART NUMBER FOR OVERALL CABLE LENGTH.
- CABLE IS NOT SEALED. TERMINATION SHOULD BE MADE OUTSIDE THE PRODUCT CONTACT ZONE.