AKM Part Number System

AKM Series Brushless Servomotors

AKM 4 2 E - EK C N R - 00

AKM Series

Motor Frame Size
1, 2, 3, 4, 5, 6, 7

Rotor Stack Length
1, 2, 3, 4, 5

Winding Type
A, B, C, D, etc.
S = Special

Mount
A = International standard mount
B = NEMA mount
C = Alternative standard mount
D = Alternative standard mount
E = NEMA mount
S = Special

Shaft
C = Closed keyway
K = Open keyway
N = Smooth shaft
S = Special

See pages 16-29 for details on mount / shaft option codes and availability.

Connectors
C = 0.5 meter shielded cables w/ IP65 connectors (AKM1, 2)
= Motor-mounted rotatable IP65 connectors (AKM3, 4, 5, 6, 7)
D = Single motor-mounted rotatable IP65 connector
(AKM2, 2x, 3, 4 models with SFD and no brake)
M = 0.5 meter shielded cables w/ IP20 plugs
(AKM1, 2, 3, 4 models less than 6 amps)
P = 0.5 meter shielded cables w/ single IP20 plug
(AKM1, 2, 3, 4 models with SFD and no brake, less than 6 amps)
S = Special
B = Dual Motor-mounted rotatable IP65 connectors (AKM 2 only)

Brake
2 = 24 VDC brake (AKM2, 3, 4, 5, 6, 7 models)
N = No brake
S = Special

Feedback Device
1 - = 1024 PPR digital encoder w/ commutation
2 - = 2048 PPR digital encoder w/ commutation
C - = Smart feedback device (SFD)
(SFD available across family)
R - = Resolver
DA = Single-turn Absolute Sine Encoder
DB = Multi-turn Absolute Sine Encoder
ED = 500 PPR digital encoder w/ commutation
EE = 1000 PPR digital encoder w/ commutation
EF = 2000 PPR digital encoder w/ commutation
EG = 2500 PPR digital encoder w/ commutation
EM = 4096 PPR digital encoder w/ commutation
EH = 5000 PPR digital encoder w/ commutation
EN = 8192 PPR digital encoder w/ commutation
(AKM5, 6, 7 models only)
EJ = 10,000 PPR digital encoder w/ commutation
(AKM5, 6, 7 models only)

Customization / Seal
00 = Standard motor w/o shaft seal
01 = Standard motor w/ shaft seal
Other #'s will be assigned for special motors.