

AKM Brushless Servomotor

AKM 4 2 E - E K C N C- 00

AKM Series

Motor Frame Size

1, 2, 3, 4, 5, 6, 7, 8

Rotor Stack Length

1, 2, 3, 4, 5

Winding Type

Mount

A = International standard mount

B = NEMA mount

C = Alternative standard mount

D = Alternative standard mount

E = Alternate NEMA mount

M = "A mount" with reinforced bearing, AKM8

S = Special

T = "C mount" with alternative reinforced bearing, AKM8

Shaft

C = Closed keyway

K = Open keyway

N = Smooth shaft

S = Special

Customization/Seal

Feedback Device

1- = 1024 PPR digital encoder with commutation (AKM1-7)

2- = 2048 PPR digital encoder with commutation (AKM1-7)

C- = Smart Feedback Device (SFD) (available across family)

R = Resolver

AA = BiSS single-turn absolute (AKM2-8)

AB = BiSS multi-turn absolute (AKM2-8)

DA = Single-turn absolute sine encoder (EnDat2.2, 01) (AKM2-8)

DB = Multi-turn absolute sine encoder (EnDat2.2, 01) (AKM2-8)

LA = Inductive single-turn (AKM2-7)

LB = Inductive multi-turn (AKM2-7)

S = Special

Brake

Connectors

B = Dual motor-mounted rotatable IP65 connectors (AKM2 only)

C = 0.5 m shielded cables with IP65 connectors (AKM1, 2), motor-mounted rotatable IP65 connectors (AKM3-7)

D = Single angular connector (AKM2, 3, 4)

G = Straight motor-mounted IP65 connectors (AKM2-7)

H = Motor-mounted IP65 power connector size 1.5 (AKM740 & AKM82)

M = 0.5 m shielded cable w/ IP20 connectors (AKM1, 2, 3, 4 models, less than 6 amps)

P = 0.5 m shielded cable w/ IP20 connectors (AKM1, 2, 3, 4 models with SFD and no brake, less than 6 amps)

S = Special

T = Terminal box for power and feedback connector size 1.0 (AKM8)

Note: Options shown in bold blue text are considered standard.