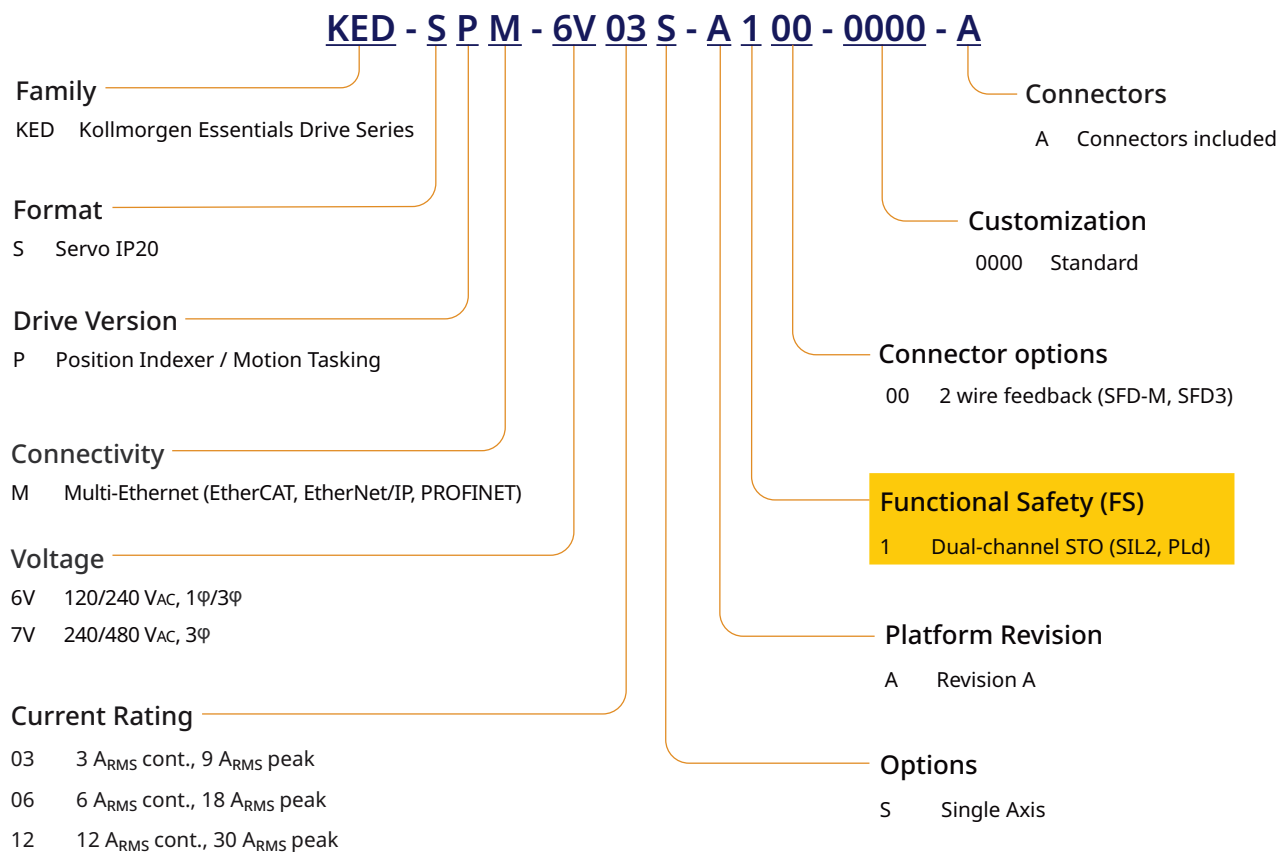


Essentials Servo Drive

Kollmorgen Essentials Drive Model Nomenclature



Kollmorgen Essentials Drive Options 120/240 VAC, 1 ϕ /3 ϕ

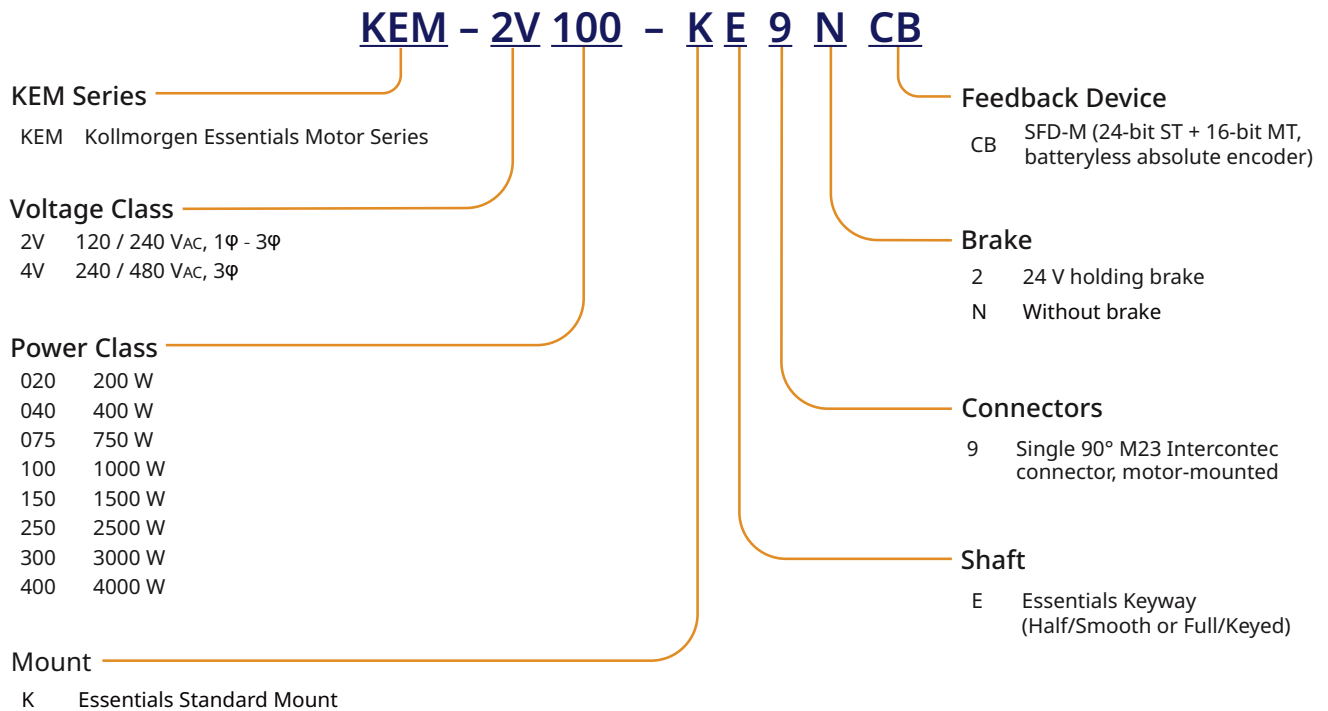
- KED-SPM-6V03S-A100-0000-A
- KED-SPM-6V06S-A100-0000-A
- KED-SPM-6V12S-A100-0000-A

Kollmorgen Essentials Drive Options 240/480 VAC, 3 ϕ

- KED-SPM-7V03S-A100-0000-A
- KED-SPM-7V06S-A100-0000-A
- KED-SPM-7V12S-A100-0000-A

Available 2026

Kollmorgen Essentials Brushless Servo Motor Nomenclature



Kollmogen Essentials Motor Options 120/240 VAC Rated

- KEM-2V020-KE9NCB
- KEM-2V020-KE92CB
- KEM-2V040-KE9NCB
- KEM-2V040-KE92CB
- KEM-2V075-KE9NCB
- KEM-2V075-KE92CB
- KEM-2V100-KE9NCB
- KEM-2V100-KE92CB
- KEM-2V150-KE9NCB
- KEM-2V150-KE92CB
- KEM-2V250-KE9NCB
- KEM-2V250-KE92CB
- KEM-2V300-KE9NCB
- KEM-2V300-KE92CB

Available 2026 Kollmogen Essentials Drive Options 240/480 VAC Rated

- KEM-4V040-KE9NCB
- KEM-4V040-KE92CB
- KEM-4V075-KE9NCB
- KEM-4V075-KE92CB
- KEM-4V100-KE9NCB
- KEM-4V100-KE92CB
- KEM-4V150-KE9NCB
- KEM-4V150-KE92CB
- KEM-4V250-KE9NCB
- KEM-4V250-KE92CB
- KEM-4V300-KE9NCB
- KEM-4V300-KE92CB
- KEM-4V400-KE9NCB
- KEM-4V400-KE92CB

Essentials System Cables

High-performance servo systems require high signal integrity. Electrical noise in the system can cause degraded performance or even instability. Therefore, well-designed connectors and cables are as critical to the system as are motors, drives and controls. A system is only as good as its weakest link. Kollmorgen guarantees the performance and quality of its servo systems only when you use Kollmorgen-supplied motors, drives and cables. Not all cables are created equal.

The Kollmorgen Essentials™ Cable not only works with Essentials Motors, but will also work with Kollmorgen AKM and AKM2G motors configured with a “9” connector option for AKM or “A” connector option for AKM2G and SFD-M or SFD-3 feedback.



Essentials Drive Connectors to SpeedTec M23 Connector
8-Lead Cable (3 Power + GND + 2 SFD + 2 Brake)

Essentials Cable Physical Properties

Bend Radius and Weight Specifications

Cable Type	Main Conductor Size [mm²]	OD [mm]	Bend Radius (min.)		Cable Weight	
			Static [mm]	Dynamic [mm]	Assembled Weight of 1 Meter Cable [kg]	Weight Adder per Meter [kg/m]
H2	1.5	13.2	66	92.4	0.40	0.20
	2.5	14.2	71	99.4	0.55	0.25

Note: Essentials Cables are rated for 80°C and 1000V

Life Cycle – Lifetime at Specified Conditions

Cable Type	Cycles @ Bend Radius [F x DIA]	Temp from/to [°C]
	10 million	
H2	12	-40/+90

Certifications/Standards

CE	Oil Resistance
CEI 20-35	Flame Resistance
Lead-free	Silicone-Free
Clean room	UL/ULC
NFPA 79	

Kollmorgen Essentials™ Cable Nomenclature

H2 - 51 - 015 - A5 - 00 - XXXX00

Cable Version

H2 Mid-flex Hybrid PUR with brake

Connector Type

51 KED-SPM-6V03S, KED-SPM-6V06S
52 KED-SPM-6V12S, KED-SPM-7VxxS

Cable Type

015 1.5 mm² power conductors
025 2.5 mm² power conductors

Length

xxxx00 Length, mm (max. 25 m)
Stocked Lengths: 1, 3, 6, 9 m
Examples:
6 m cable = 006000, 12 m cable = 012000

Options

00 Standard Option Set

Motor Mating Connector Type

A5 KEM/AKM, M23 SpeedTec (8)

Kollmorgen Essentials Cable Options

- H2-51-015-A5-xxxx00 for KED-SPM-6V03S, KED-SPM-6V06S
- H2-52-025-A5-xxxx00 for KED-SPM-6V12S, KED-SPM-7VxxS

Each cable option will have 25 SKUs, from 001000 (1 m) up to 025000 (25 m)