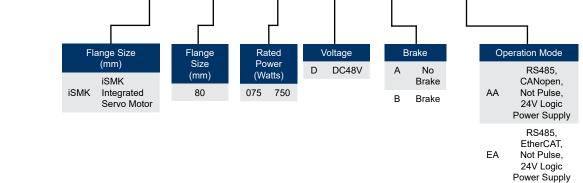
- 750 Watt
- 24-60VDC
- RS485, CANopen (AA), EtherCAT (EA)
- 80mm Frame Size
- Singleturn Magnetic Encoder
- 3000 RPM Rated Speed
- 338.4 oz-in Rated Torque
- Modbus RTU or CANopen
- Position and Speed Control
- 24V Logic Power Supply



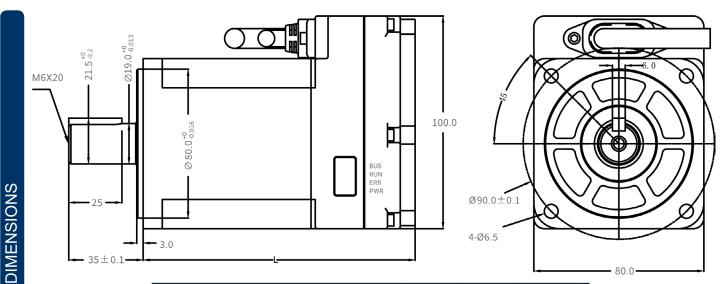
The KNC-SRV-iSMK80 Integrated Servo System includes a 750 Watt Servo Motor, operated by the Servo Drive. Each system includes a Servo Motor size of 80mm square, power rating of 750 Watts, with a Servo Drive attached to the top of the Servo Motor. These packages are ideal and provide easy start-ups, convenience, and performance. The Servo Motors included in these packages provide torque up to 1015.3 oz-in. The Servo Drive is designed to switch dynamically among different control methods for more flexible operation and can operate position control mode either with pulse and direction inputs, internal position points, or internal speed points.

Item	Rated Output Power (Watts)	Rated Voltage (VDC)	Rated Speed (RPM)	Rated Torque (oz-in)	Rated Current (Arms)	Inertia (oz-in-sec²)	Peak Torque (oz-in)	Max Speed (RPM)	Brake (24VDC)	Motor Length (mm)	Shaft Diameter (mm)
KNC-SRV-ISMK80-075-DMAK-AA-000	750	48	3000	338.4	19.2	0.012037	1015.3	4300	No	128	19
KNC-SRV-ISMK80-075-DMBK-AA-000	750	48	3000	338.4	19.2	0.012886	1015.3	4300	Yes	158	19
KNC-SRV-ISMK80-075-DMAK-EA-000	750	48	3000	338.4	19.2	0.012037	1015.3	4300	No	128	19
KNC-SRV-ISMK80-075-DMBK-EA-000	750	48	3000	338.4	19.2	0.012886	1015.3	4300	Yes	158	19

KNC-SRV-<u>iSMK80-075-DMA</u>K-<u>AA</u>-000

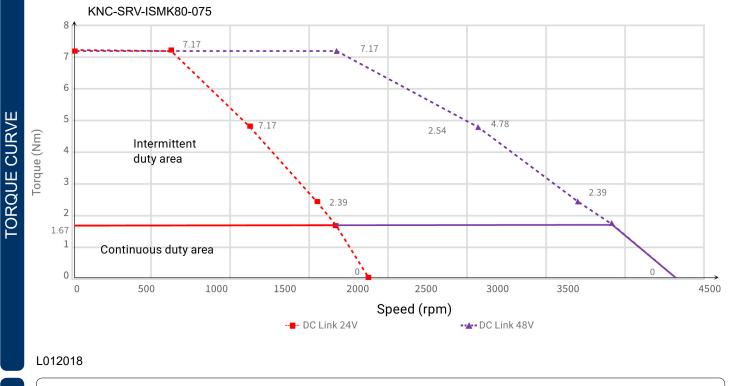






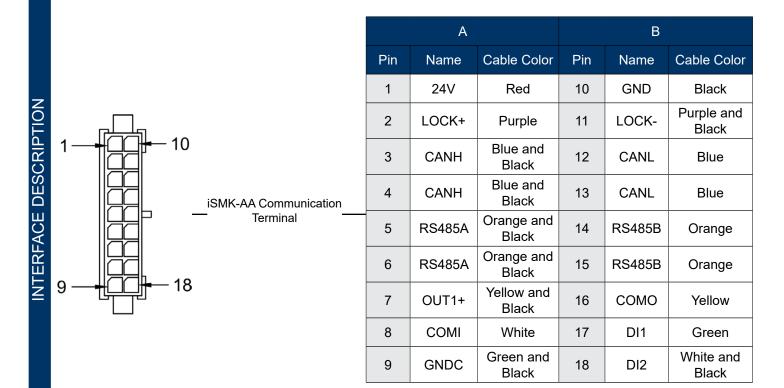
Part #	With Brake	Weight (lbs)	Motor Body Size "L" (mm)
KNC-SRV-ISMK80-075-DMAK-AA-000	No	5.51	128
KNC-SRV-ISMK80-075-DMBK-AA-000	Yes	6.61	158
KNC-SRV-ISMK80-075-DMAK-EA-000	No	5.73	128
KNC-SRV-ISMK80-075-DMBK-EA-000	Yes	6.83	158

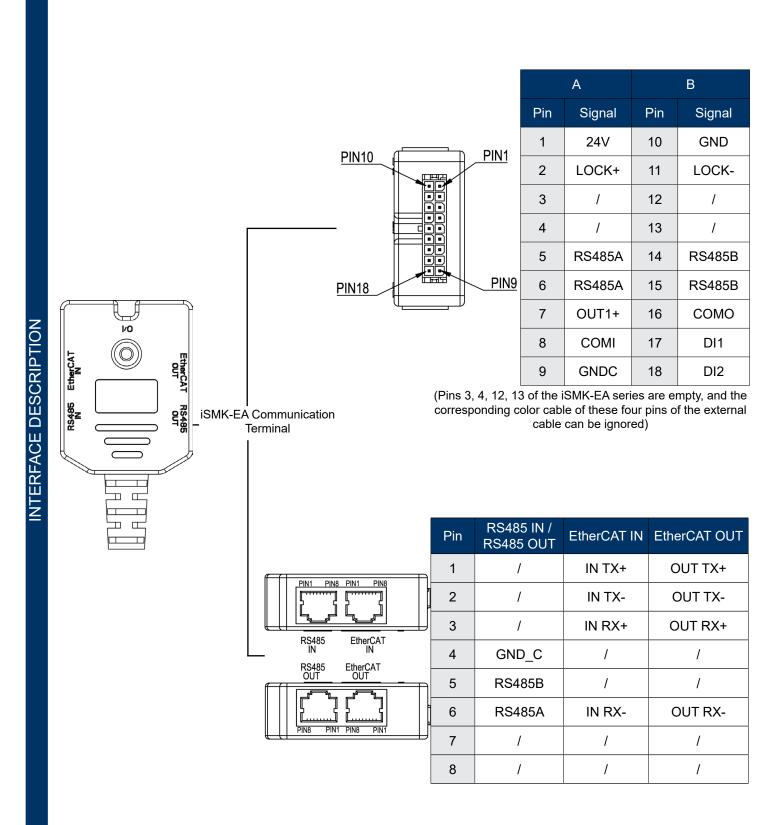
Units are in mm



4985 E. Landon Dr. Anaheim, CA 92807 Tel. (714) 992-6990 Fax. (714) 992-0471 www.anaheimautomation.com



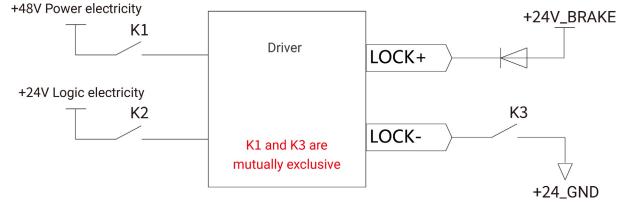






Signal	Function Description
24V	The logic power supply is an optional option. When using the logic power supply, ensure that the power supply and logic are completely isolated. If the system power supply is not isolated, the logical ground cable is not connected. The logic power supply is connected at DC- and V
GND	Logic electrical reference ground
LOCK+	External release beake input The input voltage is V, the maximum input current is . A, only when the AGV body battery is out of emergency use;
LOCK-	Only when both the logic power supply and the power supply are powered off, the external lock can be unlocked. Do not short-circuit or connect to other signals and enclosures during normal operation
CANH	CAN signal positive end(Only the iSMK-AA series has this terminal)
CANL	CAN signal negative end(Only the iSMK-AA series has this terminal)
485A	RS485 data positive end
485B	RS485 data negative end
GND_C	Signal ground
DIN1	Digital signal input;High level: . VDC~ VDC Low level: VDC~VDC Input impedance: KΩ Input frequency: <khz< td=""></khz<>
DIN2	Digital signal input;High level: . VDC~ VDC Low level: VDC~VDC Input impedance: K Ω Input frequency: <khz< td=""></khz<>
COMI	Digital signal input to the common end
OUT1+	Digital signal output; digital output, maximum output current: mA
COMO	Digital signal output common terminal

PIN3	Power Line Terminal C6350HM-3P-V0	Signal	Color
Power Cable Port	1	48V+	Red
	2	/	/
PIN1	3	48V-	Black



(Note: After cutting off the iSMK logic and power supply, use the power supply)



Model Parameter		KNC-SRV-iSMK80 Series					
Power	Main Supply Voltage	DC24V~60V					
0	Rated Current (A)	19.2 (A)					
Current	Peak Current (PEAK)	17.1 (A)					
Weight (lbs)		5.51 lbs for KNC-SRV-ISMK80-075-DMAK-AA-000 6.61 lbs for KNC-SRV-ISMK80-075-DMBK-AA-000 5.73 lbs for KNC-SRV-ISMK80-075-DMAK-EA-000 6.83 lbs for KNC-SRV-ISMK80-075-DMBK-EA-000					
Logic Loss Power (mW)		900					
Feed	dback Signal	Singleturn Communication Type Magnetoelectric Encoder					
Energy Co	onsumption Brake	There is no brake circuit inside the driver, and an external brake module is required.					
Over-Voltage	e Alarming Threshold	Default is 70V					
Under-Voltage	e Alarming Threshold	Default is 18V					
Соо	ling Method	Natural Air Cooling					
Input Specification		2 Digital Inputs, High: 12.5VDC~30VDC Low: 0VDC~5VDC Input Impedance: 5KΩ Input Frequency: <1KHz					
Inp	ut Function	Freely defined as required, the functions are as follows: drive enable, drive error reset, drive mode control, speed loop proportional control, positive limit, negative limit, origin signal, command reverse, internal speed seg- ment control, internal position segment control, emergency stop, start to find the origin, command activation, electronic gear ratio switching, gain switching.					
Output Specification Output Function RS485 CANopen EtherCAT		1 Digital Output, OUT1 for the open collector output, the highest voltage 30V, driving capacity of 100mA					
		Freely defined according to needs, the functions are as follows: driver ready, driver error, motor position to, motor zero speed, motor lock brake, motor speed to, index Z signal appears, maximum limit speed in torque mode, motor lock shaft, motor limit medium, origin finding.					
		It supports a maximum . Kbps baud rate and can communicate with the controller using the Modbus RTU.					
		It supports a maximum Mbps baud rate and can communicate with the controller using the CANopen.					
		Support CoE(CiA protocol)and CSP/CSV/PP/PV/PT/HM mode, communication speed M					
	Operating Tempera- ture	-20 ~ 40°C (No Freezing) When the operating temperature exceeds 40°C, the driver needs to be derated.					
	Operating Humidity	Less than 90%RH (No Condensation)					
	Storage Temperature	-40°C~70°C (No Freezing)					
Operation	Storage Humidity	90%RH (No Condensation)					
Environment	Protection Class	IP65, Shaft End IP54					
	Installation Method	Motor Flange Installation (Vertical Side Installation)					
	Altitude	Rated Working Altitude at 1000m or Below, Above 1000m: Decreasing 1.5% per 100m Rise, Maximum Altitude 2000m Above Sea Level					
	Atmospheric Pressure	86kpa~106kpa					