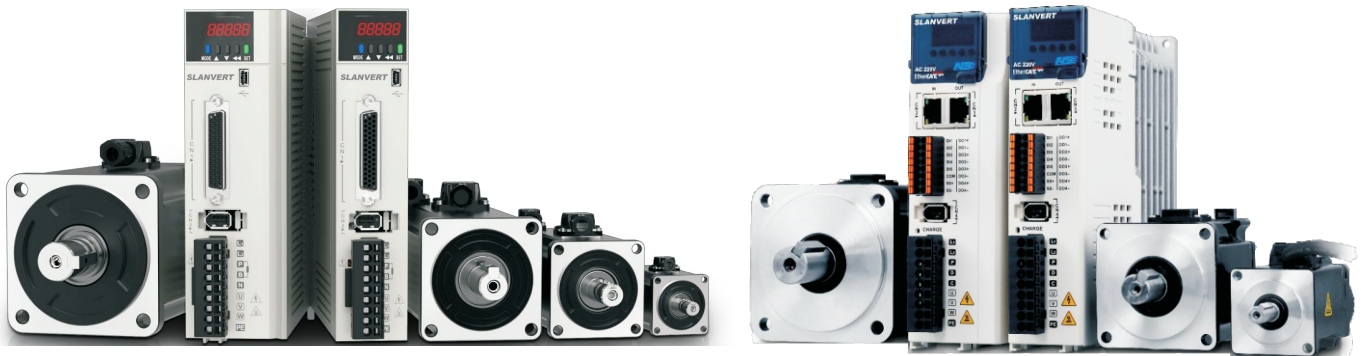# SLANVERT

Servo

N3 Pulse Servo

- Power range: 0.2~10kW
- Pulse Command: Pulse + Direction, AB Quadrature 4x,CW+CCW
- Supports frequency division output function
- High performance: carrier frequency: 8kHz,
  Current loop frequency: 16kHz, Velocity Loop Frequency: 16kHz,
  Position Loop Frequency: 4kHz
- High usability: support rigid table adjustment parameters,
  one-click self-tuning, single parameter adjustment parameters
- High speed: collector input is up to 200kHz, differential input is up to 4MHz.
  Smaller pulse subdivision, higher position control accuracy
- Come standard with integrated high-speed probe function

N3 EtherCAT Servo

- Power range 0.2~15 kW
- EtherCAT high-speed real-time Ethernet
- Integrated SS and STo security functions
- High dynamic response, current loop period 1.6us
  speed loop period 62.5us, position loop period 125us
- High accuracy, 17/23 bit encoer, up to 25bit encoder
- Esy to use, such as one-click self-tuning,
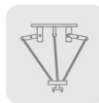 electronic nameplate, and vibration suppression
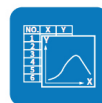
| Return to zero | Six joints robot | Synchronize | XYZ space robot | Delta robot | Motion planning | Scara robot | Vibration suppression |

Industry

N3 R P - 1R8 SA - E - □
❶ ❷❸ ❹ ❺❻ ❼ ❽

N3:series

Code No.	Type
N3	N3:series

R : Model type

Code No.	Representative type
R	Standard servo unit

E : Control interface method

Code No.	Describtion
E	EtherCAT type
P	Pulse type

4R2 : Rated output current

Code No.	Describtion
1R8	1.8 Arms
2R8	2.8 Arms
3R5	3.5 Arms
4R2	4.2 Arms
5R4	5.4 Arms
6R8	6.8 Arms
8R3	8.3 Arms
060	6.0 Arms

Home Definition

Code No.	Describtion
None	Standard type
SG	STO+Gantry
SM	STO+RS485

E : First encoder type

Code No.	Describtion
E	Communication encoder

A : Voltage level and input method

Code No.	Describtion
A	Single-phase AC220V
C	Three-phase AC380V

S : Capacity level

Code No.	Describtion
S	Standard capacity type
P see Note 2)	Enhanced capacity type

KMT M 130 H — 85B 15 EA — B O K . □ — □

KMT Series

None: Standard type
L: Low inertia type
M:Medium inertia type
H: High inertia type

Flange

40 flange
60 flange
80 flange
100 flange
130 flange
180 flange
200 flange
230 flange

Voltage Level
None : AC220V
H : AC380V

Rated Power（W）
B : x10
C : x100
D : x1000
Example：40B : 400W

Type (Only for E8 specification encoders with 80mm flange and below)

| None | Split |
| X | Overall |

None	Standard
G	Plastic case aviation insert, only for 40/60/80 flange
H	Metal jet, 180 flanges only

| None | Optical axis |
| K | With key, with threaded hole |

| None | Without oil seal |
| O | With oil seal |

| None | Without brake |
| B | With brake |

Encoder
E8: 17-bit multi-turn absolute encoder
EA: 23-bit multiturn absolute encoder

Rated Speed
15 : 1500rpm； 20 : 2000rpm
25 : 2500rpm； 30 : 3000rpm

N3RP Pulse model

For more models, please contact SLANVERT

Flange	Motor Model / E□ (E8: 17-bit multi-turn absolute encoder / EA: 23-bit multi-turn absolute encoder)	Power cable model 3m cable (0: PVC ordinary fixed cable (PVC ordinary fixed cable (black) / 2: PVC high flexible cable (10 million times bending))		Encoder cable model 3m cable (0: PVC shielded ordinary fixed cable (2 million bends) / 2: PVC shielded high flexible cable (10 million bends))		Driver Model
40	KMT40-10B30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RP-1R8SA-E
	KMT40-10B30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
60	KMT60-20B30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RP-1R8SA-E
	KMT60-20B30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
	KMT60-40B30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RP-2R8SA-E
	KMT60-40B30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
80	KMT80-75B30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RP-4R2SA-E
	KMT80-75B30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
	KMT80-10C30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RP-060PA-E
	KMT80-10C30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
	KMT80-10C25E□-OK.G	LM-030-AA2-0.S	LM-030-AA2-2.S	LE-030-4P2-0.P	LE-030-4P2-2.P	N3RP-100SA-E-SM
	KMT80-10C25E□-BOK.G	LM-030-AB2-0.S	LM-030-AB2-2.S			
100	KMTM100-10C30E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-100SA-E-SM
	KMTM100-10C30E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			
	KMTM100-15C30E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-100SA-E-SM
	KMTM100-15C30E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			
	KMTM100H-10C30E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-5R4SC-E-SM
	KMTM100H-10C30E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM100H-15C30E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-6R8SC-E-SM
	KMTM100H-15C30E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM100H-20C30E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-6R8SC-E-SM
	KMTM100H-20C30E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM100H-25C30E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-100SC-E-SM
	KMTM100H-25C30E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			
130	KMTM130-85B15E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RP-060PA-E
	KMTM130-85B15E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM130-13C15E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-100SA-E-SM
	KMTM130-13C15E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			
	KMTM130-10C20E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RP-060PA-E
	KMTM130-10C20E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM130-15C20E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-100SA-E-SM
	KMTM130-15C20E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			
	KMTM130-10C25E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RP-060PA-E
	KMTM130-10C25E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM130-13C25E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-100SA-E-SM
	KMTM130-13C25E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM130-15C25E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-100SA-E-SM
	KMTM130-15C25E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			
	KMTM130-15C30E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.P	LE-030-4P4-2.P	N3RP-100SA-E-SM
	KMTM130-15C30E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			

N3RE EtherCAT models

Flange	Motor Model / E□ (E8: 17-bit multi-turn absolute encoder / EA: 23-bit multi-turn absolute encoder)	Power cable model 030: 3m cable (0: PVC ordinary fixed cable (PVC ordinary fixed cable (black) / 2: PVC high flexible cable (10 million times bending))		Encoder cable model 030: 3m cable (0: PVC shielded ordinary fixed cable (2 million bends) / 2: PVC shielded high flexible cable (10 million bends))		Driver Model
40	KMT40-10B30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RE-1R8SA-E
	KMT40-10B30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
	KMT40-10B30E□-OK.G	LM-030-SA2-0.S	LM-030-SA2-2.S	LE-030-4P2-0.V	LE-030-4P2-2.V	N3RE-1R8SA-E
	KMT40-10B30E□-BOK .G	LM-030-SB2-0.S	LM-030-SB2-2.S			
60	KMT60-20B30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RE-1R8SA-E
	KMT60-20B30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
	KMT60-40B30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RE-2R8SA-E
	KMT60-40B30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
	KMT60-20B30E□-OK.G	LM-030-SA2-0.S	LM-030-SA2-2.S	LE-030-4P2-0.V	LE-030-4P2-2.V	N3RE-1R8SA-E
	KMT60-20B30E□-BOK.G	LM-030-SB2-0.S	LM-030-SB2-2.S			
	KMT60-40B30E□-OK.G	LM-030-SA2-0.S	LM-030-SA2-2.S	LE-030-4P2-0.V	LE-030-4P2-2.V	N3RE-2R8SA-E
	KMT60-40B30E□-BOK.G	LM-030-SB2-0.S	LM-030-SB2-2.S			
80	KMT80-75B30E□-OK	LM-030-SAF-0.S	LM-030-SAF-2.S	LE-030-4PF-0.V	LE-030-4PF-2.V	N3RE-4R2SA-E
	KMT80-75B30E□-BOK	LM-030-SBF-0.S	LM-030-SBF-2.S			
	KMT80-75B30E□-OK.G	LM-030-SA2-0.S	LM-030-SA2-2.S	LE-030-4P2-0.V	LE-030-4P2-2.V	N3RE-4R2SA-E
	KMT80-75B30E□-BOK.G	LM-030-SB2-0.S	LM-030-SB2-2.S			
100	KMTM100-10C30E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RE-7R6SA-E
	KMTM100-10C30E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM100-15C30E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RE-120SA-E
	KMTM100-15C30E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			
	KMTM100-20C30E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RE-120SA-E
	KMTM100-20C30E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			
	KMTM100H-10C30E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RE-5R4SC-E
	KMTM100H-10C30E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM100H-15C30E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RE-5R4SC-E
	KMTM100H-15C30E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM100H-20C30E□-OK	LM-030-AA4-0.S	LM-030-AA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RE-8R3SC-E
	KMTM100H-20C30E□-BOK	LM-030-AB4-0.S	LM-030-AB4-2.S			
	KMTM100H-25C30E□-OK	LM-030-BA4-0.S	LM-030-BA4-2.S	LE-030-4P4-0.V	LE-030-4P4-2.V	N3RE-8R3SC-E
	KMTM100H-25C30E□-BOK	LM-030-BB4-0.S	LM-030-BB4-2.S			

For more models, please contact SLANVERT