

SGMXA

1-1) Standard

SGMXA - 01 A U A 2 1 A 2
a b c d e f g h i

1-2-1) Exclusive Design for Customer

SGMXA - 01 A U A - * * * *
a b c d e j k l m

1-2-2) Exclusive Design for Customer

SGMXA - 01 A U A A 1 - * * * *
a b c d e h i j k l m

2-1) With Gear

SGMXA - 01 A U A H 1 2 C A 2
a b c d e n o f g h i

2-2-1) Exclusive Design for Customer with Gear

SGMXA - 01 A U A H - * * * *
a b c d e n j k l m

2-2-2) Exclusive Design for Customer with Gear

SGMXA - 01 A U A H A 1 - * * * *
a b c d e n h i j k l m

Letters	Items	(Group)	
a	Motor Model	SGMXA	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		A8	80
		01	100
		C2	150
		02	200
		04	400
		06	600
		08	750
		10	1000
		15	1500
		20	2000
		25	2500
		30	3000
		40	4000
		50	5000
		70	7000

Letters	Items	(Group)	Power Supply Voltages
c	Power Supply for Servo amp	A	200[Vrms]

Letters	Items	(Group)	Encoder Type
d	Encoder	L	26bit Serial Incremental
		U	26bit Serial Absolute Value
		W	26bit Serial Batteryless Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard

Letters	Items	(Group)	Shaft Type
f	Shaft Type	0	Flange Type (without keyway)
		2	Straight (without keyway)
		3	1/10 Conical shaft ends, With Sunk Key
		4	Straight (with keyway)
		5	1/10 Conical shaft ends, With Woodruff Key
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)
		B	Straight (with double flat key seat)
		S	Straight (without keyway(φ6 or φ16))
		K	Straight (with keyway and tapped hole (φ6 or φ16))

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V)
		S	With Shaft Seal
		E	With Brake (24V) and Shaft Seal
		F	With oil seal (V type)
		H	With oil seal (V type) and with Brake (24V)

Letters	Items	(Group)	Optional Specifications
h	Region	A	Japan
		B	Global
		C	China

Letters	Items	(Group)	Optional Specifications
i	Optional Specifications	1	Σ-LINK II
		2	Compatible with Σ-7
		3	Σ-LINK II safety type
		4	Compatible with Σ-7 (Σ-LINK II safety type)
		5	Oil-proof improvement

Letters	Items	(Group)	Customer Code
j	Customer Code	A-Z	-
k			

Letters	Items	(Group)	Design Revision Order For Customer
l	Design Revision Order For Customer	A-Z or 0-9	-
m			

Letters	Items	(Group)	Design Revision Order
n	Gear Type	H	Non-backlash Gear

Letters	Items	(Group)	Reduction Ratio
o	Reduction Ratio	C	1/5
		G	1/9
		J	1/11
		K	1/12
		N	1/20
		P	1/21
		R	1/25
		U	1/33
		X	1/40

SGMXJ

1-1) Standard

SGMXJ - 01 A U A 2 1 A 2
a b c d e f g h i

1-2-1) Exclusive Design for Customer

SGMXJ - 01 A U A - * * * *
a b c d e j k l m

1-2-2) Exclusive Design for Customer

SGMXJ - 01 A U A A 1 - * * * *
a b c d e h i j k l m

2-1) With Gear

SGMXJ - 01 A U A H 1 2 C A 2
a b c d e n o f g h i

2-2-1) Exclusive Design for Customer with Gear

SGMXJ - 01 A U A H - * * * *
a b c d e n j k l m

2-2-2) Exclusive Design for Customer with Gear

SGMXJ - 01 A U A H A 1 - * * * *
a b c d e n h i j k l m

Letters	Items	(Group)	
a	Motor Model	SGMXJ	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A5	50
		A8	80
		01	100
		C2	150
		02	200
		04	400
		06	600
		08	750

Letters	Items	(Group)	Power Supply Voltages
c	Power Supply for Servo amp	A	200 [V _{rms}]

Letters	Items	(Group)	Encoder Type
d	Encoder	L	26bit Serial Incremental
		U	26bit Serial Absolute Value
		W	26bit Serial Batteryless Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard.

Letters	Items	(Group)	Shaft Type
f	Shaft Type	0	Flange Type (without keyway)
		2	Straight (without keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)
		B	Straight (with double flat key seat)
		S	Straight (without keyway(φ6 or φ16))
		K	Straight (with keyway and tapped hole (φ6 or φ16))

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V)
		S	With Shaft Seal
		E	With Brake (24V) and Shaft Seal

Letters	Items	(Group)	Optional Specifications
h	Region	A	Japan
		B	Global
		C	China

Letters	Items	(Group)	Optional Specifications
i	Optional Specifications	1	Σ -LINK II
		2	Compatible with Σ -7
		3	Σ -LINK II safety type
		4	Compatible with Σ -7 (Σ -LINK II safety type)
		5	Oil-proof improvement

Letters	Items	(Group)	Customer Code
j	Customer Code	A-Z	-
k			

Letters	Items	(Group)	Design Revision Order For Customer
l	Design Revision Order For Customer	A-Z or 0-9	-
m			

Letters	Items	(Group)	Design Revision Order
n	Gear Type	H	Non-backlash Gear

Letters	Items	(Group)	Reduction Ratio
o	Reduction Ratio	C	1/5
		G	1/9
		J	1/11
		P	1/21
		U	1/33

Other Exclusive Design for Customer
 • SGMXJ-A3E7VA2-YA11

SGMXG

1-1) Standard

SGMXG - 09 A U A 2 1 A 2
a b c d e f g h i

1-2-1) Exclusive Design for Customer

SGMXG - 09 A U A - * * * *
a b c d e j k l m

1-2-2) Exclusive Design for Customer

SGMXG - 09 A U A A 1 - * * * *
a b c d e h i j k l m

2-1) With Gear

SGMXG - 09 A U A H 1 2 C A 2
a b c d e n o f g h i

2-2-1) Exclusive Design for Customer with Gear

SGMXG - 09 A U A H - * * * *
a b c d e n j k l m

2-2-2) Exclusive Design for Customer with Gear

SGMXG - 09 A U A H A 1 - * * * *
a b c d e n h i j k l m

Letters	Items	(Group)	
a	Motor Model	SGMXG	

Letters	Items	(Group)	Rated Output[kW]	
			Rated Speed 1500min ⁻¹	Rated Speed 1000min ⁻¹
b	Motor Output	03	0.3	0.3
		05	0.45	-
		06	-	0.6
		09	0.85	0.9
		12	-	1.2
		13	1.3	-
		20	1.8	2.0
		30	2.9	3.0
		40	-	4.0
		44	4.4	4.4
		55	5.5	5.5
		75	7.5	-
		1A	11	-
		1E	15	-

Letters	Items	(Group)	Power Supply Voltages[Vrms]
c	Power Supply	A	200

Letters	Items	(Group)	Encoder Type
d	Encoder	L	26bit Serial Incremental
		U	26bit Serial Absolute Value
		W	26bit Serial Batteryless Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard. Rated Speed 1500min ⁻¹
		B	Rated speed 1000min ⁻¹
		L	Reduced output type

Letters	Items	(Group)	Shaft Type
f	Shaft Type	2	Straight (without keyway)
		3	1/10 Conical shaft ends, With Sunk Key
		4	Straight (with keyway)
		5	1/10 Conical shaft ends, With Woodruff Key
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)
		S	Straight (without keyway),small size
		K	Straight (with keyway and tapped hole) Small size
		T	Straight (tapped hole),small size
		U	Straight (with keyway),small size

Letters	Items	(Group)	Optional Specifications
g	Optional Specifications	1	Without Option
		C	With Brake (24V)
		S	With oil seal (S type)
		E	With oil seal (S type) and with Brake (24V)
		F	With oil seal (V type)
		H	With oil seal (V type) and with Brake (24V)

Letters	Items	(Group)	Optional Specifications
h	Region	A	Japan
		B	Global
		C	China

Letters	Items	(Group)	Optional Specifications
i	Optional Specifications	1	Σ-LINK II
		2	Compatible with Σ-7
		3	Σ-LINK II safety type
		4	Compatible with Σ-7 (Σ-LINK II safety type)
		5	Oil-proof improvement(Compatible with Σ-7)

Letters	Items	(Group)	Customer Code
j	Customer Code	A-Z	-
k			

Letters	Items	(Group)	Design Revision Order For Customer
l	Design Revision Order For Customer	A-Z or 0-9	-
m			

Letters	Items	(Group)	Optional Specifications
n	Gear Type	E	Standard Backlash Gear (with foot)
		F	Standard Backlash Gear (flange mount)
		H	Low-Backlash Gear

Letters	Items	(Group)	Reduction Ratio
o	Reduction Ratio (Low-backlash Gear)	C	1/5
		J	1/11
		K	1/12
		N	1/20
		P	1/21
		R	1/25
		U	1/33
		X	1/40
		Z	1/45
	Reduction Ratio (Standard Backlash Gear)	D	1/6
		J	1/11
		P	1/21
		S	1/29
		Y	1/43

SGMXP

1-1) Standard

SGMXP - 01 A U A 2 1 A 2
a b c d e f g h i

1-2-1) Exclusive Design for Customer

SGMXP - 01 A U A - * * * *
a b c d e j k l m

1-2-2) Exclusive Design for Customer

SGMXP - 01 A U A A 1 - * * * *
a b c d e h i j k l m

2-1) With Gear

SGMXP - 01 A U A H 1 2 C A 2
a b c d e n o f g h i

2-2-1) Exclusive Design for Customer with Gear

SGMXP - 01 A U A H - * * * *
a b c d e n j k l m

2-2-2) Exclusive Design for Customer with Gear

SGMXP - 01 A U A H A 1 - * * * *
a b c d e n h i j k l m

Letters	Items	(Group)	
a	Motor Model	SGMXP	

Letters	Items	(Group)	Rated Output[W]
b	Motor Output	A8	80
		01	100
		02	200
		04	400
		08	750
		15	1500

Letters	Items	(Group)	Power Supply Voltages
c	Power Supply for Servo amp	A	200 [V _{rms}]

Letters	Items	(Group)	Encoder Type
d	Encoder	L	26bit Serial Incremental
		U	26bit Serial Absolute Value
		W	26bit Serial Batteryless Absolute Value

Letters	Items	(Group)	Design Revision Order
e	Design Revision Order	A	Standard.

Letters	Items	(Group)	Shaft Type
f	Shaft Type	0	Flange Type (without keyway)
		2	Straight (without keyway)
		4	Straight (with keyway)
		6	Straight (with keyway and tapped hole)
		8	Straight (tapped hole)
		A	Straight (with single flat key seat)
		B	Straight (with double flat key seat)
		S	Straight (without keyway, small size)

		K	Straight (with keyway and tapped hole, small size)
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Letters	Items	(Group)	Optional Specifications
g (80W, 100W, 200W, 400W)	Optional Specifications	1	Without Option
		C	With Brake (24V)
		S	With Shaft Seal
		E	With Brake (24V) and Shaft Seal

Letters	Items	(Group)				Optional Specifications	
		Lead wire length (mm)					
		300	500	1000	1500		
g (750, 1500W)	Optional Specifications	1	1H	1J	1K	Standard connector	without option
		C	CH	C J	CK		with brake(24V)
		S	SH	S J	SK		with shaft seal
		E	EH	E J	EK		with brake(24V) and shaft seal
		1D	1E	1F	1G	Drip–proofed connector	without option
		CD	CE	CF	CG		with brake(24V)
		SD	SE	SF	SG		with shaft seal
		ED	EE	EF	EG		with brake(24V) and shaft seal

Letters	Items	(Group)	Optional Specifications
h	Region	A	Japan
		B	Global
		C	China

Letters	Items	(Group)	Optional Specifications
i	Optional Specifications	1	Σ -LINK II
		2	Compatible with Σ -7
		3	Σ -LINK II safety type
		4	Compatible with Σ -7 (Σ -LINK II safety type)
		5	Oil-proof improvement

Letters	Items	(Group)	Customer Code
j	Customer Code	A-Z	-
k			

Letters	Items	(Group)	Design Revision Order For Customer
l	Design Revision Order For Customer	A-Z or 0-9	-
m			

Letters	Items	(Group)	Design Revision Order
n	Gear Type	H	Non-backlash Gear

Letters	Items	(Group)	Reduction Ratio
o	Reduction Ratio	C	1/5
		G	1/9
		J	1/11
		P	1/21
		U	1/33