NS Update V4 / Addendum Page 3 New Small/Medium-Sized Types of NS Series



Multitude of Variations

The extensive product line-up, which allows you to select specifications such as the size, slider type and installation direction, ensures the optimum configuration for any number of applications.



Model



www.linearachsensysteme.de

NS Update V4 / Addendum Page 3+4

	Spee	cificatio	on Table									
Size	Туре	Slider	Appearance	Туре	Encoder Type	Motor Type (W)	Lead (mm)	Stroke (mm)	Rated Thrust (N)	Maximum Payload (kg)	Maximum Speed (mm/s)	Maximum Acceleration (G)
	Horizontal	Single Slider		SXMS				400~800		15	720	0.8
Small		Multi-Slider		SXMM		60	12	200~800	70.8		120	0.0
	Vertical	Single Slider		SZMS				400 ~ 800	70.0	3	600	0.7
		Multi-Slider		SZMM				200~800			800	0.7
		Single Slider		MYMS	Absolute		30	500~1500	113.9	25	1800	1.0
	Horizontal	olligie olider		MIXING	Incremental		20	300 1300	170.9	40	1200	0.8
	Tionzontai	Multi-Slider	A	MYMM			30	300~1500	113.9	25	1800	1.0
							20		170.9	40	1200	0.8
Medium	Horizontal/ With Mid-	Single Slider		MXMXS		200	30	1600 ~ 2200	113.9	25	1800	0.3
	supports						20		170.9	40	1200	0.3
	Vertical	Single Slider	Ĩ	MZMS			20	500~800	170.0	6	1000	0.5
	Vertical –	Multi-Slider		MZMM			20	300~800	170.9	6	1000	0.5

Table of Payload by Acceleration Conditions

1. Horizontal Inst													
Turno	Mid- Support	rt Motor Output (W)	r Lead ut (mm)	ead Maximum Maximum Load Capacity by Accelera						Acceleratio	n (kg)		
Type				(mm/s)	(G)	0.3G	0.4G	0.5G	0.6G	0.7G	0.8G	0.9G	1.0G
Small	No	60	12	720	0.8	15	7	5	3	1	0.5	-	—
	No	No	30	1800	1.0	25	16	10	6	3.5	2	1	0.5
Madium			20	1200	0.8	40	28	18	10	5	2.5	—	—
wedium	Vee	200	30 1800	0.2	25	—	—	—	—	—	—	—	
	res	5	20	1200	0.3	40	_	—	—	_	_	—	—

2. Vertical Installation Maximum Maximum Load Capacity by Acceleration (kg) Lead (mm) Mid-Output (W) Туре Speed Acceleration Support 0.3G 0.4G 0.5G 0.6G 0.7G 0.8G 0.9G 1.0G (G) (mm/s)0.7 0.5 Small No 60 12 600 3 2 1.5 1 200 1000 0.5 3 Medium No 20 6 4

Internal Dimensions of Cable Track

Small

Medium





Regarding the outer diameter and the number of cables to be stored

(1) Make gaps of at least 2 mm between the outer diameter and the inside wall of the cable and between the cables.

(2) The outer diameter of the cables should be ϕ 12 or less and they should be arranged and used horizontally so that they do not cross each other.

(3) Note that the life of the cables may be extremely shortened due to forces applied on the cables if the number of cables stored exceeds the specification.





Model/Specification

		Motor Output (W)				Acceleration (Note 1)				Payload Capacity (Note 1 & 2)				
Model	Encoder Type		Lead (mm)	Stroke (mm)	Speed (mm/s)	Horizontal(G)		Vertical(G)		Horizontal(kg)) Vertical(kg)		Rated Thrust (N)
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Rated	Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	,
NS-SXMS-@-60-12-@-T2-@-AQ-@-RT	Absolute Incremental	60	12	400~800	720	0.3	0.8	Horizor	ital Only	15	0.5	Horizor	ital Only	70.8

*In the model above, Dindicates the type of encoder, Dindicates the stroke, Dindicates the cable length, and Dindicates the option Option Common specifications

Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1~CT4	→P4	Enter CT1 for standard installation
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

Driving Method	Ball Thread, Diameter q10 mm, Equivalent to Rolled C10
Repeated Positioning Accuracy	+/- 0.02mm
Backlash	0.05mm or less
Guide	Integrated to Base
Dynamic Allowable Moment(Note 3)	Ma:28.4N·m Mb:40.2N·m Mc:65.7N·m
Overhung load length	Ma Direction: 450mm or less; Mb and Mc Direction: 450mm or less
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; X□□: Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)



Stroke	400	500	600	700	800
L	630	730	830	930	1030
A	1	1	1	2	2
В	100	150	200	100	150
С	450	550	650	750	850
D	10	10	10	14	14
Mass(kg)	5.8	6.5	7.1	7.8	8.4
Mass(kg)	5.8	6.5	7.1	7.8	8.4

Applicable Controller Specifications												
Applicable Controller	Max. Number of Axes Controlled	Compatible Encoder Type	Operation Method	Power/ Voltage								
X-SEL-P/Q	6 axis	Abaaluda (Deservers	Three-Phase/ Single-Phase 230VAC								
SSEL	2 axis	Absolute/	Programs	Single-								
SCON	1 axis	incrementar	Positioner Pulse Train Control	100/230VAC								



(Note 1) For the relationship between acceleration and payload capacity, see page 3.

(Note 2) The values shown are payload capacities during operation at maximum speed. (Note 3) For a 10,000-km running life.

(Note 4) The maximum cable length is 30 m. Please specify length in meters. (E.g., X08 = 8 m)





Model/Specification

						Acceleration (Note 1)				Payload Capacity (Note 1 & 2)				
Model	Encoder Type	Output (W)	Lead (mm)	Stroke (mm)	Speed (mm/s)	Horizontal (G)		Vertical (G)		Horizontal (kg)		Vertical (kg)		Rated Thrust (N)
			()		(Rated	Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	()
NS-SXMM-0-60-12-@-T2-@-AQ-@-RT	Absolute Incremental	60	12	200~800	720	0.3	0.8	Horizor	ital Only	15	0.5	Horizor	tal Only	70.8

*In the model above, Dindicates the type of encoder, Dindicates the stroke, Dindicates the cable length, and Dindicates the option Common specifications

Option			
Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1	→P4	CT1 for standard
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

Driving Method	Ball Thread, Diameter q10 mm, Equivalent to Rolled C10
Repeated Positioning Accuracy	+/- 0.02mm
Backlash	0.05mm or less
Guide	Integrated to Base
Dynamic Allowable Moment (Note 3)	Ma:28.4N·m Mb:40.2N·m Mc:65.7N·m
Overhung load length	Ma Direction: 450mm or less; Mb and Mc Direction: 450mm or less
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; XDD: Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)



Stroke	200	300	400	500	600	700	800
L	630	730	830	930	1030	1130	1230
A	1	1	1	2	2	2	2
В	100	150	200	100	150	200	100
С	450	550	650	750	850	950	1050
D	10	10	10	14	14	14	18
Mass (kg)	7.5	8.1	8.7	9.4	10.0	10.7	11.3

Applicable Cor	ntroller Specificati	ons			
Applicable Controller	Max. Number of Axes Controlled	Compatible Encoder Type	Operation Method	Power/ Voltage	^
X-SEL-P/Q	6 axis		Deservers	Three-Phase/ Single-Phase 230VAC	Note
SSEL	2 axis	Absolute/ Incremental	Programs	Single-	
SCON	1 axis		Positioner Pulse Train Control	100/230VAC	
	· · · · · · · · · · · · · · · · · · ·		the time second all all all		

(Note 1) For the relationship between acceleration and payload capacity, see page 3.

(Note 2) The values shown are payload capacities during operation at maximum speed.

(Note 3) For a 10,000-km running life. (Note 4) The maximum cable length is 30 m. Please specify length in meters. (E.g., X08 = 8 m)

Two controllers are required for SCON. (Please note that SCON does not have a collision prevention mechanism)





Model/Specification

Model		oder Motor Lead				Acceleration (Note 1)			Payload Capacity (Note 1 & 2)				
	Encoder Type			Stroke (mm)	Speed (mm/s)	Horizontal (G) Vertical (G)		Horizontal (kg)		Vertical (kg)		Rated Thrust	
	(W)	(VV)	()	()	(Rated Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	0.17
NS-SZMS-0-60-12-0-T2-0-AQ-0-RT	Absolute Incremental	60	12	400~800	600	Vertical Only	0.3	0.7	Vertica	al Only	3	0.5	70.8

*In the model above, indicates the type of encoder, indicates the stroke, indicates the cable length, and indicates the option.

Option

Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Brake	В	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1~CT4	→P4	Enter CT1 for standard installation
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

0		•		
Com	imon	speci	tication	s

Driving Method	Ball Thread, Diameter q10 mm, Equivalent to Rolled C10
Repeated Positioning Accuracy	+/- 0.02mm
Backlash	0.05mm or less
Guide	Integrated to Base
Dynamic Allowable Moment(Note 3)	Ma: 28.4 N·m, Mb: 40.2 N·m, Mc: 33.3N·m
Overhung load length	Ma Direction: 450mm or less; Mb and Mc Direction: 450mm or less
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; XDD: Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)



Stroke	400	500	600	700	800
L	680	780	880	980	1080
A	1	1	1	2	2
В	125	175	225	125	175
С	500	600	700	800	900
D	10	10	10	14	14
Mass (kg)	6.2	6.8	7.4	8.1	8.7

Applicable Controller Specifications								
Applicable Controller	Max. Number of Axes Controlled	Compatible Encoder Type	Operation Method	Power/ Voltage				
X-SEL-P/Q	6 axis		Brograma	Three-Phase/ Single-Phase 230VAC				
SSEL	2 axis	Absolute/ Incremental	Flograins	Single-				
SCON	1 axis		Positioner Pulse Train Control	100/230VAC				

Â
Note

(Note 1) For the relationship between acceleration and payload capacity, see page 3.

(Note 2) The values shown are payload capacities during operation at maximum speed. (Note 3) For a 10,000-km running life.

(Note 4) The maximum cable length is 30 m. Please specify length in meters. (E.g., X08 = 8 m)





Model/Specification

Model		Encoder Motor Type Output				Acceleration (Note 1)			Payload Capacity (Note 1 & 2)				
	Encoder Type			Stroke (mm)	Speed (mm/s)	Horizontal (G) Vertical (G)		Horizontal (kg)		Vertical (kg)		Rated Thrust (N)	
	(W)	(W)	(W) (*****)	, (,	(Rated Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	(,
NS-SZMM-0-60-12-2-3-AQ-6-RT	Absolute Incremental	60	12	200~800	600	Vertical Only	0.3	0.7	Vertica	al Only	3	0.5	70.8

*In the model above, Indicates the type of encoder, Indicates the stroke, Indicates the cable length, and Indicates the option.

(Optio	n	

Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Brake	В	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1	→P4	CT1 for standard
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

Commor	n speci	ficat	ions

Driving Method	Ball Thread, Diameter q10 mm, Equivalent to Rolled C10
Repeated Positioning Accuracy	+/- 0.02mm
Backlash	0.05mm or less
Guide	Integrated to Base
Dynamic Allowable Moment(Note 3)	Ma: 28.4 N·m, Mb: 40.2 N·m, Mc: 33.3N·m
Overhung load length	Ma Direction: 450mm or less; Mb and Mc Direction: 450mm or less-
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; XDD: Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)



- [Stroke	200	300	400	500	600	700	800
	L	680	780	880	980	1080	1180	1280
	A	1	1	1	2	2	2	3
	В	125	175	225	125	175	225	125
	С	500	600	700	800	900	1000	1100
- [D	10	10	10	14	14	14	18
	Mass (kg)	7.7	8.4	9.0	9.7	10.3	10.9	11.6
	A B C D Mass (kg)	1 125 500 10 7.7	1 175 600 10 8.4	1 225 700 10 9.0	2 125 800 14 9.7	2 175 900 14 10.3	2 225 1000 14 10.9	3 12 110 18

Applicable Col	ili uller opecificati	JUIS					
Applicable	Max. Number of	Compatible	Operation	Power/	1		(Note 1) For
Controller	Axes Controlled	Encoder Type	Method	Voltage			(Note 2) The
X-SEL-P/Q	6 axis		Brograma	Three-Phase/ Single-Phase 230VAC		Note	(Note 3) For
SSEL	2 axis	Absolute/ Incremental	Flograms	Single- Phase			(Note 4) The
SCON 1 axis			Positioner Pulse Train Control	100/230VAC			(E.g

the relationship between acceleration and payload capacity, see page 3.

values shown are payload capacities during operation at maximum speed a 10,000-km running life.

maximum cable length is 30 m. Please specify length in meters. ., X08 = 8 m)

Note: A two-axis controller is required to operate the multi-slider. Two controllers are required for SCON. (Please note that SCON does not have a collision prevention mechanism)





Model/Specification

		Motor				Acceleration (Note 1)				Payload capacity (Note 1 & 2)						
Model	Encoder Output		Lead (mm)	Stroke (mm)	Speed (mm/s)	Horizontal (G)		Vertical (G)		Horizontal (kg)) Vertical (kg)		Rated Thrust (N)		
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(W)	()	()	(Rated	Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration			
NS-MXMS-@-200-30-@-T2-@-AQ-@-RT	Absolute	200	30 20 500~1500		1800	0.3	1.0	Horizontal Only		2		25	0.5			113.9
NS-MXMS-@-200-20-@-T2-@-AQ-@-RT	Incremental	200			1200	0.3	0.8			40	2.5	Honzontal Only		170.9		

Option

Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1~CT4	→P4	Enter CT1 for standard installation
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

Absolute

Incremental

Single

100/230VAC

Ph

sitioner Pulse Train Control

2 axis

1 axis

SSEL

SCON

Common s	necifications
Common a	peemeanons

Driving Method	Ball Thread, Diameter q16 mm, Equivalent to Rolled C5
Repeated Positioning Accuracy	+/- 0.01 mm
Backlash	0.02 mm or less
Guide	Integrated to Base
Dynamic Allowable Moment(Note 3)	Ma: 69.6N·m, Mb: 99.0N·m, Mc: 161.7N·m
Overhung load length	Ma Direction: 600mm or less; Mb and Mc Direction: 600mm or less
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; XDD: Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)



<u> </u>	(Note 4) The maximum cable length is 30 m. Please specify length in meters.
Note	(E.g., X08 = 8 m)
	(Note 5) When an axis with a long stroke (1,300 mm or more) is used hanging from the
	ceiling, the cover of the body may hang down and contact the slider. Therefore,
	in cases of such use, please contact our sales representative in advance.





Model/Specification

		Motor Output (W)		Stroke (mm)		Acceleration (Note 1)				Payload capacity (Note 1 & 2)				
Model	Encoder		Lead (mm)		Speed (mm/s)	Horizontal (G)		Vertical (G)		Horizontal (kg0		Vertica (kg)		Rated Thrust
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					Rated	Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	1,
NS-MXMM-@-200-30-@-T2-@-AQ-@-RT	Absolute	200	30 200 4500		1800	0.3	1.0			25	0.5			113.9
NS-MXMM-0-200-20-@-T2-3-AQ-8-RT	Incremental	200	20	300~1500	1200	0.3	0.8	Honzoniai Oni		40	2.5	Horizontai Oniy		170.9
*In the model above indicates the type of encoder	indicates the st	roke 🗿 indice	tes the cat	le length and 🕢 i	ndicates the onti	00								

the model above, @indicates the type of encoder, @indicates the stroke, @indicates the cable length, () inc

Option

Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1	→P4	CT1 for standard
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

Common specifications

Driving Method	Ball Thread, Diameter
Repeated Positioning Accuracy	+/- 0.01 mm
Backlash	0.02 mm or less
Guide	Integrated to Base
Dynamic Allowable Moment (Note 3)	Ma: 69.6N·m, Mb: 99.0N·m, Mc: 161.7N·m
Overhung load length	Ma Direction: 600mm or less; Mb and Mc Direction: 600mm or less
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; X . Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)



Applicable Controller	Max. Number of Axes Controlled	Compatible Encoder Type	Operation Method	Power/ Voltage		
X-SEL-P/Q	6 axis		Deservers	Three-Phase/ Single-Phase 230VAC		
SSEL	2 axis	Absolute/ Incremental	Programs	Single-		
SCON	1 axis		Positioner Pulse Train Control	100/230VAC		

(Note 4) The maximum cable length is 30 m. Please specify length in meters. (E.g., X08 = 8 m)

(Note 5) When an axis with a long stroke (1,300 mm or more) is used hanging from the ceiling, the cover of the body may hang down and contact the slider. Therefore, in cases of such use, please contact our sales representative in advance.

Note: A two-axis controller is required to operate the multi-slider. Two controllers are required for SCON. (Please note that SCON does not have a collision prevention mechanism)





Model/Specification

		Motor Output	Lead	Stroke (mm)		Acceleratio	Payload capacity (Note 1 & 2)						
Model	Encoder Type				Speed (mm/s)	Horizontal (G)	Vertical (G)		Horizontal (kg)		Vertical (kg)		Rated Thrust (N)
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(W)	()		(Rated Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	
NS-MXMXS-@-200-30-@-T2-3-AQ-@-RT	Absolute	200	30	4600 0000	1800	0.3			25		University Only		113.9
NS-MXMXS-@-200-20-@-T2-@-AQ-@-RT	Incremental	200	20 1600~2200		1200	0.3	Horizontai Oni		40		ital Only	170.9	

In the model above, [O] indicates the type of encoder, [O] indicates the stroke, [O] indicates the cable length, and [O] indicates the cable length, and [O] indicates the stroke, [O] indicates the cable length, and [O] indicates the stroke, [O] indicat

Option

Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1~CT4	→P4	Enter CT1 for standard installation
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

Common specifications

Driving Method	Ball Thread, Diameter
Repeated Positioning Accuracy	+/- 0.01 mm
Backlash	0.02 mm or less
Guide	Integrated to Base
Dynamic Allowable Moment (Note 3)	Ma: 69.6N·m, Mb: 99.0N·m, Mc: 161.7N·m
Overhung load length	Ma Direction: 600mm or less; Mb and Mc Direction: 600mm or less
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; X . Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)







Model/Specification

Model	Motor					Acceleration	Payload capacity (Note 1 & 2)						
	Encoder Type	Output	Output (W)	Stroke (mm)	Speed (mm/s)	Horizontal (G) Vertical (G)		Horizontal (kg) V		Vertic	al (kg)	Rated Thrust (N)	
	(W	(W)				Rated Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	()
NS-MZMS-10-200-20-20-72-3-AQ-3-RT	Absolute Incremental	200	20	500~800	1000	Vertical Only	0.3	0.5	Vertica	al Only	6	3	170.9

Common energifications

*In the model above, Dindicates the type of encoder, Dindicates the stroke, Dindicates the cable length, and Dindicates the option.

Option			
Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Brake (*)	В	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1~CT4	→P4	Enter CT1 for standard instal
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

Driving Method	Ball Thread, Diameter q16 mm, Equivalent to Rolled C5
Repeated Positioning Accuracy	+/- 0.01 mm
Backlash	0.02 mm or less
Guide	Integrated to Base
Dynamic Allowable Moment (Note 3)	Ma: 69.6N·m, Mb: 99.0N·m, Mc: 81.3N·m
Overhung load length	Ma Direction: 600mm or less; Mb and Mc Direction: 600mm or less
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; XDD: Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)

(*) A brake box is attached for powering the brake.



A Note

Applicable Controller Specifications									
Applicable Controller	Max. Number of Axes Controlled	Compatible Encoder Type	Operation Method	Power/ Voltage					
X-SEL-P/Q	6 axis		Brograma	Three-Phase/ Single-Phase 230VAC					
SSEL	2 axis	Absolute/ Incremental	Filograms	Single-					
SCON	1 axis		Positioner Pulse Train Control	100/230VAC					

(Note 1) For the relationship between acceleration and payload capacity, see page 3. (Note 2) The values shown are payload capacities during operation at maximum speed.

(Note 3) For a 10,000-km running life.

(Note 4) The maximum cable length is 30 m. Please specify length in meters. (E.g., X08 = 8 m)





Model/Specification

Model	Motor				Acceleration (Note 1)			Payload capacity (Note 1 & 2)					
	Encoder Type	Output	Lead (mm)	ad Stroke m) (mm)	Speed (mm/s)	Horizontal (G) Vertical (G)		Horizontal (kg)		Vertical (kg)		Rated Thrust (N)	
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(VV)	()			Rated Maximum	Rated	Maximum	Rated Acceleration	Maximum Acceleration	Rated Acceleration	Maximum Acceleration	()
NS-MZMM-@-200-20-@-T2-@-AQ-@-RT	Absolute Incremental	200	20	300~800	1000	Vertical Only	0.3	0.5	Vertica	al Only	6	3	170.9

*In the model above, indicates the type of encoder, indicates the stroke, indicates the cable length, and indicates the option

Option

Name	Model	Reference page	Note
AQ Seal	AQ	→P4	Standard Equipment
Brake (*)	В	→P4	Standard Equipment
Installation Direction of Standard Cable Track	CT1	→P4	CT1 for standard
Guide with Ball-Retaining Mechanism	RT	→P4	Standard Equipment

Common specifications

Driving Method	Ball Thread, Diameter q16 mm, Equivalent to Rolled C5
Repeated Positioning Accuracy	+/- 0.01 mm
Backlash	0.02 mm or less
Guide	Integrated to Base
Dynamic Allowable Moment (Note 3)	Ma: 69.6N·m, Mb: 99.0N·m, Mc: 81.3N·m
Overhung load length	Ma Direction: 600mm or less; Mb and Mc Direction: 600mm or less
Base	Material: Aluminium, White Alumite Treatment
Cable Length (Note 4)	N: No cable; S: 3 m; M: 5 m; X C: Length specified
Ambient Temperature	0~40 degrees Celsius, 85% RH or less (No condensation)

(*) A brake box is attached for powering the brake



(E.g., X08 = 8 m)

SSEL	2 axis	Incremental		Dhase				
SCON	1 axis		Positioner Pulse Train Control	100/230VAC				
Note: A two-axis controller is required to operate the multi-slider								

NS Update V4 / Errata Page 21

Controller

	October New October (Trans	000N	0051	XS	EL			
	Controller Series/Type	SCON	SSEL	P(Standard) Type	Q(Global) Type			
pecifications	Form							
lasic S	Power Capacity	Maximum: 844VA	Maximum: 1660VA (For 400W 2-axis operation)	Maximum (For 6-axis operati	: 4988VA on total of 2400W)			
8	Input Power	Single-Phase AC 230V	Single-Phase AC 100V Single-Phase AC 230V	Three-Phas Single-Phas	se AC 230V se AC 230V			
	Range of Operating Power Voltages		±10	0%				
tions	Maximum total connected axes output (W)	750W(for 230V power supply)	400W(for 100V power supply) 800W(for 230V power supply)	2400W(For t 1600W(For s	hree-phase) ingle-phase)			
ica	Max. Number of Axes Controlled	1 axis	2 axis	6 a	xis			
ecif	Position Detection Method		Incremental Encode	er/Absolute Encoder				
Spe	Safety Circuit Configuration	Duplexing r	iot possible	Duplexing not possible	Duplexing possible			
Control	Operation Method	Positioner Operation Pulse Train Control	Program Operation Positioner Operation (Switchable)	Program Operation Positioner Operation Program Operation Only (Switchable)				
	Number of Programs	-	128					
	Number of Program Steps	-	9999					
	Number of Multi-Task Programs	-	8	16				
	Number of Positions	Maximum: 512		20000				
rograms		Teaching Box Model: CON-T-ENG	Teaching Box Model: SEL-T-J/SEL-TD-J	Teaching Box Model: SEL-T/SEL-TD	Teaching Box Model: SEL-TD			
Pr	Data Input Device PC-Supported Softw (Optional) Mode: RCM-101-M (For RS232 Communic RCM-101-USB (For USB Communica		PC-Supported Software Model: IA-101-X-MW-J (For RS232 Communication) IA-101-X-USB (For USB Communication)	PC-Supported Software Model: IA-101-X-MW (For RS232 Communication) IA-101-X-USBMW (For USB Communication)	PC-Supported Software Model: IA-101-XA-MW (With RS232 Communication Safety Category-Supported Cable)			
utput and inication	Standard Input/Output	Input: 16 points/Output: 16 points (NPN/PNP Selection Allowed)	Input: 24 points/Output: 8 points (NPN/PNP Selection Allowed)	Input: 32 points/Output: 16 points (NPN/PNP Selection Allowed)				
ut/Or	Expanded Input/Output	Not Po	ossible	Maximum Input: 192 Maximum Output: 192				
보장	Field Network	DeviceNet, CC-Link, ProfiBus	DeviceNet, CC-Link, ProfiBus DeviceNet, CC-Link, ProfiBus, Ethernet					
s	Ambient Temperature/Humidity during Operation		0~40°C 10~95%(No condensation)				
- In Include	Ambient Air during Operation		No Corrosive gas.	Especially no dust.				
Senera cificat	Outer Dimensions	72(W)×200.5(H)×121(D)	100(W)×202.6(H)×126(D) When the absolute battery is installed	340(W)×195(H)×125.3(D) (For 6-axis absolute specification)				
Spe	Mass	1.1 kg	1.4kg	5.7kg(For 6-axis ab	solute specification)			

Brake Box (Attachment) With the vertical types (MZMS/MZMM/LZMS/LZMM),



DC 24V (max. 1A).

4 8110 B

Regenerative Resistance Unit (Optional)

Features This unit converts the regenerative current from a decelerating motor into heat. Refer to the following table to determine the required number of regenerative resistors according to the total wattage of the actuator.







www.linearachsensysteme.de