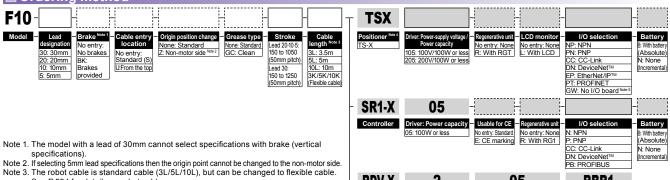
High lead: Lead 30

Origin on the non-motor side is selectable: Lead 10·20·30

Note. Strokes longer than 1050mm are special order items. Please consult us for delivery time.





Allowable overhang Note

See P.594 for details on robot cable.

Note 4. See P.498 for DIN rail mounting bracket.

Note 5. Select this selection when using the gateway function. For details, see

pitch) 5L: 5m 10L: 10m 1250 3K/5K/10K pitch) (Flexible cable)		205: 200V/100W or less		CC: CC-Link DN: DeviceNet TM EP: EtherNet/IP TM PT: PROFINET GW: No I/O board Note 5	N: None (Incrementa
	SR1-X	05	-		-
e (vertical e non-motor side. flexible cable.	Controller	Driver: Power capacity 05: 100W or less	Usable for CE Regenerative unit No entry: Standard E: CE marking R: With RG1	N: NPN P: PNP CC: CC-Link DN: DeviceNet TM PB: PROFIBUS	B: With batter (Absolute N: None (Incremental
ilexible cable.	RDV-X	2	05	- RBR1	
P.60.	Driver	Power-supply voltage 2: AC200V	Driver: Power capacity 05: 100W or less	Regenerative unit	

Specific	ations									
AC servo motor		100								
Repeatability Not			+/-0	0.01						
Deceleration me	echanism	Bal	I screw	(Class	C7)					
Ball screw lead		30	20	10	5					
Maximum speed ^N		1800	1200	600	300					
Maximum	Horizontal	15	20	40	60					
payload (kg)	Vertical	_	4	10	20					
Rated thrust (N)		56	84	169	339					
Stroke (mm)		150 to 1250 Note 3 (50mm pitch)								
Overall length	Horizontal	Stroke+260								
(mm)	Vertical	Stroke+290								
Maximum dimens section of main ur		W110 × H71								
Cable length (m)	Standard: 3.5 / Option: 5,10								
Linear guide typ	эе	4 rows of	f circular a		es × 1 rail					
Position detected	or		Resolv	ers Note 4						
Resolution (Puls	se/rotation)		163	384						

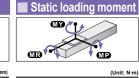
Note 1. Positioning repeatability in one direction.

Positioning repeatability in one direction. When the stroke is longer than 700mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table below. Strokes longer than 1050mm are available only for high lead (Lead 30). (Special order item)

Position detectors (resolvers) are common to incremental and absolute specifications. If the controller has a backup function then it will be absolute specifications. Note 2.

- - -		в		⟨c			A		С	A					
-	Horizontal installation (Unit: mm)						all insta	allatio	n (U	Vertical installation (Unit: mm)					
_			Α	В	С			Α	В	С			Α	С	
_	Lead 30	5kg	491	273	215	d 30	5kg	206	209	480	20	1kg	600	600	
-	Lead	15kg	223	61	63	Lead	15kg	45	0	177	ad	2kg	649	691	
	20	5kg	937	282	259	20	5kg	250	213	905	Le	4kg	306	347	
-	ead	10kg	487	121	116	ead	10kg	99	51	438	10	4kg	338	380	
Ī	Le	20kg	236	40	44	Ľ	20kg	21	0	149	ad	8kg	142	183	
_	9	15kg	389	71	74	10	10kg	105	53	550	Le	10kg	102	144	
-	Lead	30kg	179	17	20	ag	20kg	22	0	230	2	10kg	105	146	
	٦	40kg	106	0	0	Ľ	30kg	0	0	0	ead	15kg	51	93	
ıl	2	30kg	419	19	20	2	10kg	107	54	1410	ت	20kg	25	66	
	ead	50kg	0	0	0	ead	20kg	22	0	540					
	ادّ	60kg	0	0	0	تّ	30kg	0	0	0					

60kg Distance from center of slider top to center of gravity of object being carried at a guide service life of 10.000 km



MP

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MR

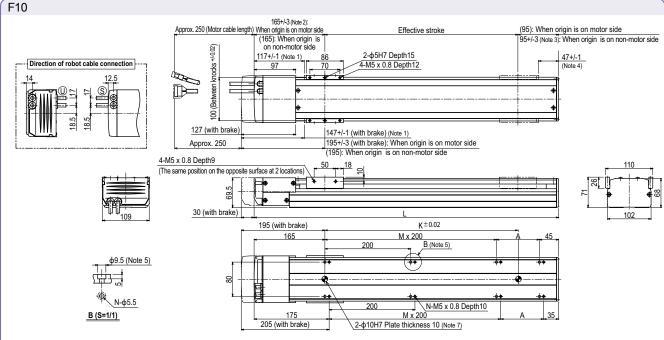
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MY

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7	■ Contr	oller
0	Controller	Operation method
3 4 6 3	SR1-X05 Note RCX221/222 RCX240/340	Programming / I/O point trace / Remote command / Operation using RS-232C communication
6	TS-X105 Note TS-X205 Note	I/O point trace / Remote command
	RDV-X205-RBR1	Pulse train control

Note. Regenerative unit is required when the models used vertically and with 700mm or larger stroke



Note 1. Stop positions are determined by the mechanical stoppers at both ends.

Note 2. 167.5+/-4 when the high lead specification (Lead 30) is used.

Note 3. 95+/-4 when the high lead specification (Lead 30) is used.

Note 4. 14-4 when the high lead specification (Lead 30) is used.

Note 6. Minimum bend radius of motor cable is R50.

Note 7. When using this \$410 knock-pin hole to position the robot body, the knock-pin must not protrude more than 10mm inside the robot body.

Note 7. When using this \$410 knock-pin hole to position the robot body, the knock-pin must not protrude more than 10mm inside the robot body.

Note 4. 44.5+/-1 when the high lead specification (Lead 30) is used. Note 8. W																							
e stroke	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100 Note 10	1150 Note 10	1200 Note 10	1250 Note 10
L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510
4	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
И	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
(150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
(kg) Note 8	5.5	5.7	5.8	6.2	6.5	6.9	7.3	7.7	8.1	8.5	8.8	9.2	9.6	10.0	10.4	10.8	11.1	11.5	11.9	12.3	12.7	13.1	13.5
Lead 30						18	00						14	40	11	70	90	00	810				
Lead 20						12	00						960 780			600 540	540						
Lead 10		600 480						39	390 300 2														
Lead 5		300										300 240 199				95	15	50	135				
Speed setting		=											80% 65%			50	1%	45%					
	e stroke (A) (A) (C) (kg) Note 8 Lead 30 Lead 20 Lead 10 Lead 5	e stroke 150 410 4	e stroke 150 200 410 460 40 200 50 M 0 1 4 6 (150 200 (kg) Note 8 5.5 5.7 Lead 30 Lead 20 Lead 10 Lead 5	e stroke	e stroke	e stroke	estroke 150 200 250 300 350 400 410 460 510 560 610 660 60 60 60 60 60 60 60 60 60 60 60 6	estroke 150 200 250 300 350 400 450 410 460 510 560 610 660 710 4 200 50 100 150 200 50 100 4 4 50 4 60 610 610 610 610 610 610 610 610 610	e stroke	estroke	estroke	estroke	estroke	estroke	estroke	estroke 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 410 460 510 560 610 660 710 760 810 860 910 960 1010 1060 1110 410 400 50 100 150 200 50 100 150 200 50 100 150 41 4 6 6 6 6 6 8 8 8 8 10 10 10 10 1	estroke	estroke	estroke	estroke 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 410 460 510 560 610 660 710 760 810 860 910 960 1010 1060 1110 1160 1210 1260 1310 410 460 510 500 500 100 150 200 50 100 150 200 50 100 150 41 42 63 64 65 65 68 88 88 88 88 88	estroke 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1000 1000 1100 1000 11000 11000 11000 11000 11000 11000 11000 11000 11000 11000	estroke 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1100 1150 11	estroke 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000 1050 1100 1150 1200 1050 11000 11000 11000 11000 11000 11000 11000 11000 11000

Note 9. When the stroke is longer than 700mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table above.

Note 10. Strokes longer than 1050mm are special order items. Please contact us for speed setting.