SXYBx 2 axes / ZF

XZ type | Cable carrier

Ordering method

SXYBx - C - [Combination] - [X-axis stroke] - ZF - [Z-axis stroke] - [Cable length] - RCX222 - [Usable for CE] - [Regenerative unit Note 1] - [Input/Output selection 1] - [Input/Output selection 2]

Model	Cable	Combination	X-axis stroke	ZR-axis	Z-axis stroke	Cable length	Controller	Usable for CE	Regenerative unit Note 1	Input/Output selection 1	Input/Output selection 2
		F1 F3	15 to 305cm		15 to 35cm	3L: 3.5m (Standard) 5L: 5m 10L: 10m	RCX222	No entry: Standard E: CE marking	No entry: None R: RG2 (RCX222)	N: NPN Note 2 P: PNP CC: CC-Link DN: DeviceNet PB: Profibus EN: Ethernet Note 2 YC: YC-Link Note 3	No entry: None N1: OP.DIO24/16 (NPN) Note 2 P1: OP.DIO24/17 (PNP) EN: Ethernet Note 2 Note 4

Note 1. Regenerative unit RG2 is required when the maximum speed on the RCX222 exceeds 1875mm/sec.
Note 2. NPN and Ethernet cannot be selected if using CE marking.
Note 3. Available only for the master.
Note 4. Only when CC or DN or PB was selected for I/O select 1 above. EN can be selected in I/O select 2.

Specification

	X-axis	Z-axis
Axis construction Note 1	B14H	F10-BK
AC servo motor output (W)	200	100
Repeatability Note 2 (mm)	+/-0.04	+/-0.01
Drive system	Timing belt	Ball screw (Class C7)
Ball screw lead (Deceleration ratio) (mm)	Equivalent to lead 25	10
Maximum speed (mm/sec)	1875	600
Moving range (mm)	150 to 3050	150 to 350
Robot cable length (m)	Standard: 3.5 Option: 5,10	

Note 1. Use caution that the frame machining (installation holes, tap holes) differs from single-axis robots.
Note 2. Positioning repeatability in one direction.

Maximum payload (kg)

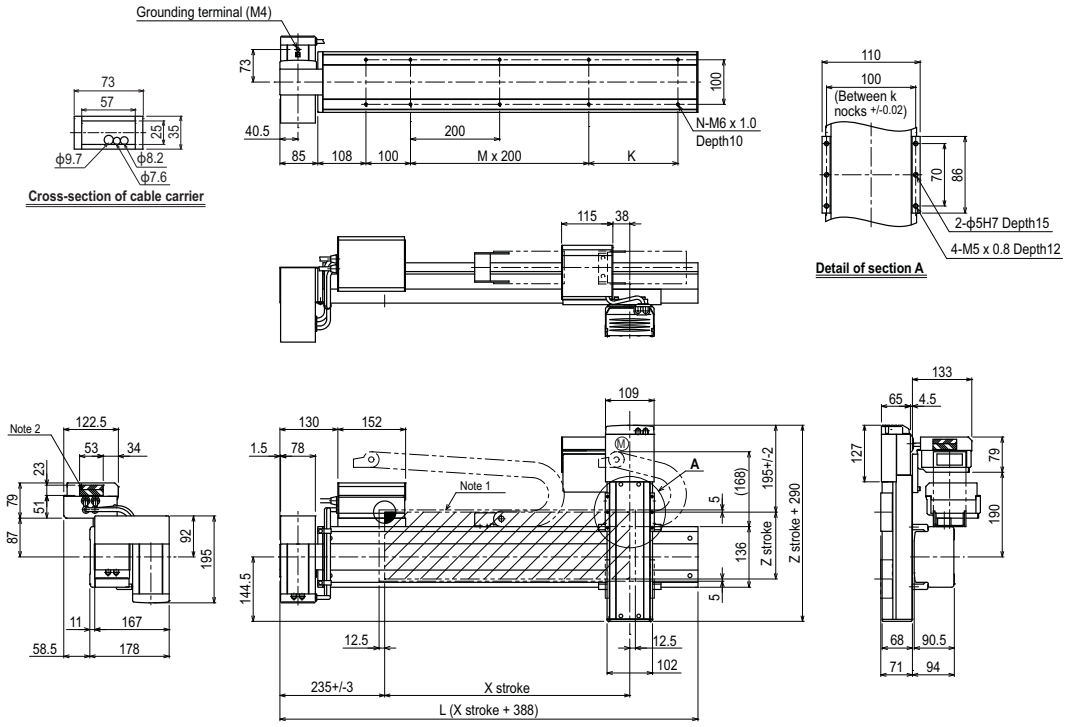
	Z stroke (mm)
X stroke (mm)	150 to 350
150 to 3050	10

Controller

Controller	Operation method
RCX222 NOTE	Programming / I/O point trace / (BCD) Remote command / Operation using RS-232C communication

Note. A regenerative unit is required when the maximum speed exceeds 1875mm/sec.

SXYBx 2 axes / ZF F1



Note 1. The moving range when returning to origin and the stop position when stopping by the mechanical stopper.
Note 2. The shaded position indicates an user cable extraction port.
Note 3. LU specification should be used for installation of the X axis motor.

X stroke	150	250	350	450	550	650	750	850	950	1050	1150	1250	1350	1450	1550	1650	1750	1850	1950	2050	2150	2250	2350	2450	2550	2650	2750	2850	2950	3050
L	538	638	738	838	938	1038	1138	1238	1338	1438	1538	1638	1738	1838	1938	2038	2138	2238	2338	2438	2538	2638	2738	2838	2938	3038	3138	3238	3338	3438
K	–	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100	200	100
M	1	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30	32	32	34	34	36

Z stroke	150	250	350