R10

Ordering method

R10 - [ ] - [ ] - SR1-X - 05 - [ ] - [ ] - [ ] - [ ]

Model	Cable entry location	Cable length [Note 1]	Controller	Driver	Usable for CE	Regenerative unit	I/O selection	Battery
	No entry: Standard (S)	3L: 3.5m (Standard)	SR1-X	05: 100W or less	No entry: Standard	No entry: None	N: NPN	No entry: None (Incremental specification)
	B: From the side	5L: 5m	TS-X [Note 2]	105 (TS-X)	E: CE marking		P: PNP	B: Battery (Absolute specification)
		10L: 10m					CC: CC-Link	
							DN: DeviceNet	
							PB: Profibus	
							YC: YC-Link [Note 3]	

Note 1. The robot cable is standard cable, but can be changed to bend-resistant cable. (consult factory)
Note 2. To find TS-X selection options, see the ordering method listed on each controller's page.
Note 3. Available only for the SR1-X slave.

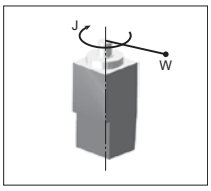
Specifications

AC servo motor output (W)	100
Repeatability (sec)	+/-30
Maximum speed (°/sec)	360
Maximum allowable moment inertia (kgm^2[kgfcms^2])	0.36 [3.71]
Rated torque (Nm[kgfm])	10.78 [1.10]
Speed reduction ratio	1/50
Rotation range (°)	360
Cable length (m)	Standard: 3.5 / Option: 5,10
Speed reducer type	Harmonic drive
Position detector	Resolvers
Resolution (Pulse/rotation)	16384

Maximum allowable moment inertia

Payload parameters W (kg)	1	2	3	4	5	6	7	8	9	10
Maximum allowable moment inertia J (kgfcms^2)	0.25	0.49	0.74	0.99	1.24	1.48	1.73	1.98	2.23	2.47

Payload parameters W (kg)	11	12	13	14	15
Maximum allowable moment inertia J (kgfcms^2)	2.72	2.97	3.22	3.46	3.71

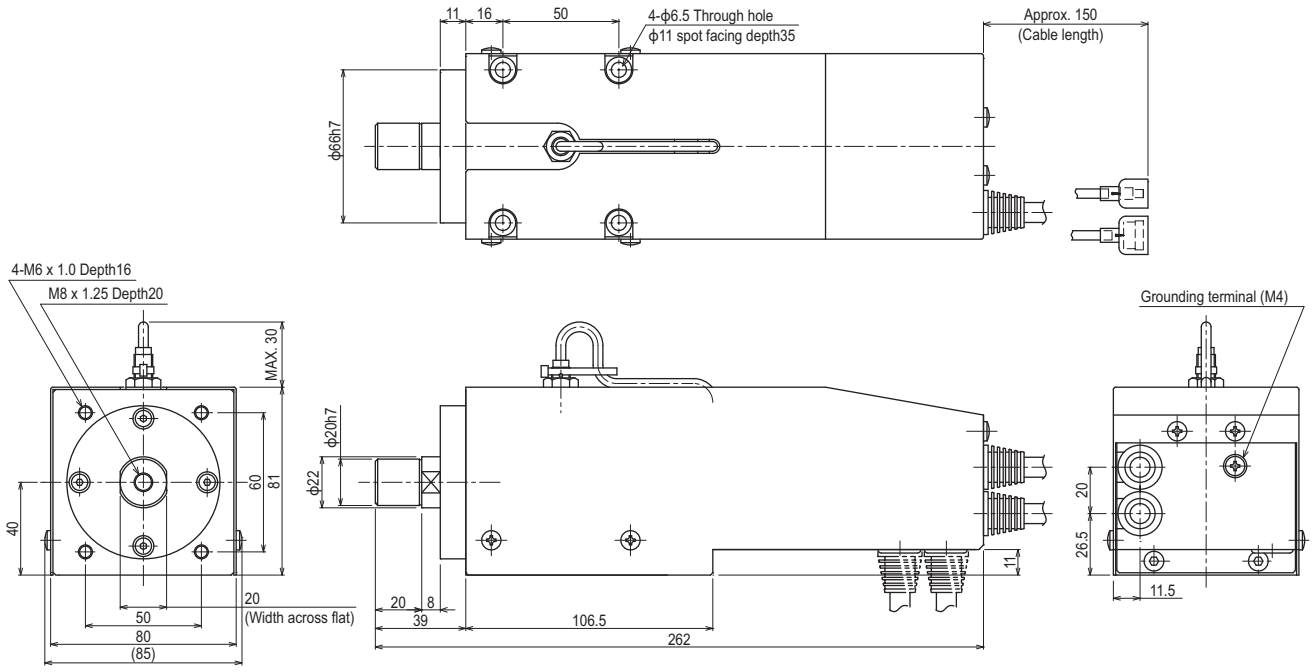


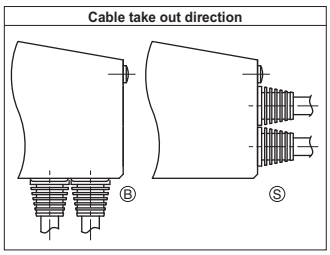
Note. When the weight of a tool or workpiece attached to the shaft R10 is W (kg), its moment of inertia (J) must be smaller than the values shown in the table above. (For example, enter 4kg if W is 3kg and J is 0.99kgf cm sec^2.) Enter the above mass parameter value for the controller, and optimum acceleration is automatically set based on this value.

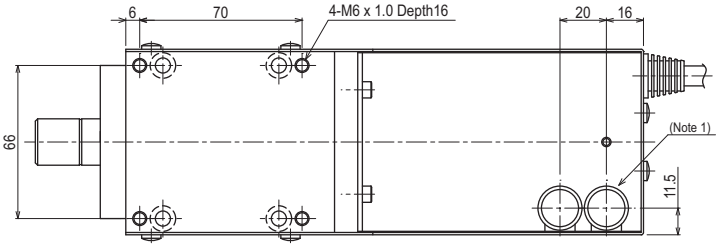
Controller

Controller	Operation method
SR1-X-05	Programming / I/O point trace (BCD)/ Remote command / Operation using RS-232C communication
TS-X105	I/O point trace (BCD)

R10







Weight (kg)	3.5

Note 1. The cable extraction port can be changed.