CS4-WSA10C Battery less Simple Motor 230_v 100 mm Dust-proof Straight Absolute Coupled Model Specification RCS4 — WSA10C Model 60 **T2** Cable Lengtl Options N: None P:1m S:3m M:5m Refer to Options WA: Battery-less Absolute T2:SCON 60: Servo moto 60W 16: 16mm 50:50mm MSCON SSEL XSEL-P/Q 10: 10mm table below * Be sure to select an option for the cable 500:500mm 5: 5mm 2.5:2.5mm X□□: Specified Length R□□: Robot Cable XSEL-RA/SA exit direction.



Actuator Specification ■ Lead and Payload ■ Stroke and Max Speed Max. payload Stroke 50~350 Motor wattage Model Number Lead Rated thrust Stroke (mm) RCS4-WSA10C-WA-60-16-1-T2-2-3 16 53 16 960 RCS4-WSA10C-WA-60-10-10-12-2-3 10 3 85 10 600 50~500 60 (50mm increments) RCS4-WSA10C-WA-60-5-①-T2-②-③ 5 170 5 27 5 300 RCS4-WSA10C-WA-60-2.5-1-T2-2-3 2.5 40 10 Legend: Stroke Cable Length Option

Cable Length	
Type	Cable Code
	P (1m)
Standard	S (3m)
	M (5m)
Considered law sets	X06 (6m) ~ X10 (10m)
Specified length (Standard cable)	X11 (11m) ~ X15 (15m)
	X16 (16m) ~ X20 (20m)
	R01 (1m) ~ R03 (3m)
	R04 (4m) ~ R05 (5m)
Robot cable	R06 (6m) ~ R10 (10m)
	R11 (11m) ~ R15 (15m)
	R16 (16m) ~ R20 (20m)

Options		
Name	Option Code	Reference Page
Brake	В	See P.131
Cable exit direction (Top)	CJT	See P.131
Cable exit direction (Right)	CJR	See P.131
Cable exit direction (Left)	CJL	See P.131
Cable exit direction (Bottom)	CJB	See P.131
High-precision specification	HPR	See P.134
Non-motor end specification	NM	See P.136
Slider roller specification	SR	See P.137

Actuator Specifications
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ltem	Description
Drive system	Ball screw ø8mm, rolled C10
Positioning repeatability (*1)	±0.01mm [±0.005mm]
Lost motion	0.1mm or less
Base	Material: Aluminum with white alumite treatment
Allowable static moment	Ma direction 271N·m, Mb direction 271N·m, Mc direction 553N·m
Allowable dynamic moment (*2)	Ma direction 65.4N·m, Mb direction 65.4N·m, Mc direction 134N·m
Ambient operating temp. & humidity	0~40°C, 85% RH or less (Non-condensing)

(Unit: mm/s)

500

660

415

205

100

450

775

245

120

400

930

590

290

145

- (*1) Values in [] are for high-precision specification.
- (*2) Assumes a standard rated life of 5000km. The service life will vary depending on operation and installation conditions. Please contact IAI for details of the running life.
- Reference for overhang load length: Ma: 500mm or less, Mb, Mc: 500mm or less Allowable load moment directions Overhang load lengths



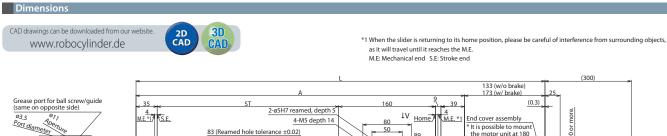
If the load moments in Ma/Mb/Mc direction are within the allowable ranges, there is no overhang load length limit.

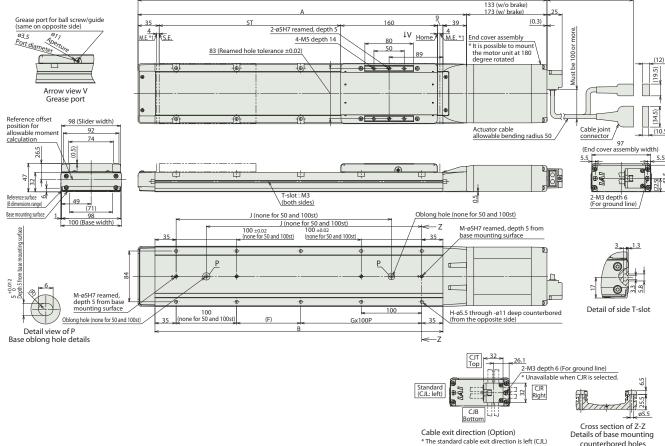
Round cable joint connector with screw locking (*1)	EU	See P.131
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(*1) EU option will be available soon.

(300)

counterbored holes





■ Dimensions and Mass by Stroke

	Stroke	50	100	150	200	250	300	350	400	450	500
	W/o brake	426	476	526	576	626	676	726	776	826	876
L	W/ brake	466	516	566	616	666	716	766	816	866	916
	A	293	343	393	443	493	543	593	643	693	743
	В	226	276	326	376	426	476	526	576	626	676
	F	156	206	56	106	56	106	56	106	56	106
	G	0	0	1	1	2	2	3	3	4	4
	Н	4	4	8	8	10	10	12	12	14	14
	J	-	-	206	256	306	356	406	456	506	556
	M	1	1	2	2	2	2	2	2	2	2
Mass	W/o brake	2.8	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.8	5.0
(kg)	W/ brake	3.1	3.3	3.6	3.8	4.1	4.3	4.6	4.8	5.1	5.3

he RCS4 series actuators				iow. Piease se						
		Max. number of connectable	Input power	Control method Positioner Pulse train Program Network * Option				Maximum number of	Reference page	
	view	axes		Positioner	Pulse train	Program	Network * Option	positioning points		
SCON-CB/CGB		1		•	•	-	Device Net CLINK BEODE CompoNet Ether Net / IP	512 (768 for network spec.)	Please see P.15	
SCON-LC/LCG (*)		1	Single phase 115V/230VAC	-	-	•		512 (768 for network spec.)		
SCON-CAL/CGAL		1		•	_	-		512 (768 for network spec.)		
MSCON-C	1837	6			This model is twork-compatible only.		99899	256	Please see the dedicated control catalog or manua	
SSEL-CS		2		•	-	•	Note: The type of compatible networks will vary depending on the	20000		
XSEL-P/Q or XSEL-RA/SA (*)	liiira		Single phase 230VAC Three-phase 230VAC		-	•	controller. Please refer to the reference page for more information.	20000 or 55000 (Depending on the type)		