

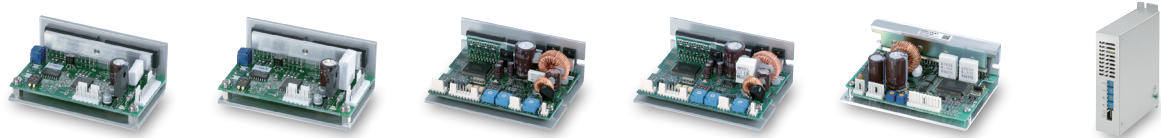
Drivers

Catalog Code W9051



Part Name	
Part Number	
Primary Functions	Driving Motor
	Drive System
	Driving Current (A/phase)
	Excitation System
	Number of Divisions
	Input Signal
	Input Logic
	Max. Response Frequency
	Auto Current Down OFF Input
	Motor Excitation OFF Input
General Specifications	Micro-step Selection Input
	Origin Excitation Timing Output
	Input Voltage
	Operating Temperature Range
	External Dimensions (W×H×Dmm)
	Weight (kg)

Stage	Motor Used	Basic Step Angle [°]	Phase Current [A/phase]	External Dimensions [W×H×Dmm] (excluding shaft)
OSMS40-5ZF SGSP-ACT series	PK513PB-C9	0.72	0.35	20×20×72
OSMS20-35 OSMS20-85 series	TS3664N4E10		0.75	24×24×31
SGSP-40/60YAW HDS-60 series	TS3664N4		0.66	24×24×31
OSMS26 OSMS60-ZF SGSP-60A/B TAMM OSMS-40/60 SGSP-80/120/160YAW HPS HDS-80/120 series	PK523HPB-C12	0.75	0.75	28×28×32
	PK525HPB-C4			28×28×51.5
OSMS80-20ZF	A7177-90215KTG			28×28×61.3
OSMS33 series	TS3667N43E967	0.72	1.4	42×42×47
KST-120/160YAW series	TS3624N42E967			60×60×56.5
KST-50 / KST(GS)-50 KST-100 / KST(GS)-100 KST-200 / KST(GS)-200 series	PK564-NBW PK566-NBW PK569-NBW			60×60×46.5 60×60×57.5 60×60×87



Compact Driver	Compact Driver	Compact Micro-step Driver	Compact Micro-step Driver	Micro-step Driver	Micro-step Driver
SG-5MA	SG-5M	SG-55MA	SG-55M	SG-514MSC	MC-7514PCL
5-phase stepping motor					
Bipolar constant current pentagon drive					
0.25 — 0.85	0.5 — 1.4	0.23 — 0.75	0.5 — 1.6	0.3 — 1.4	0.5 — 1.4
Full/Half step		Micro-step		Micro-step	Micro-step
Two types 1, 2		16 types 1, 2, 4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250		16 types 1, 2, 2.5, 5, 8, 10, 20, 25, 40, 50, 80, 100, 125, 200, 250	16 types 1, 2, 4, 5, 8, 10, 16, 20, 25, 40, 50, 80, 100, 125, 200, 250
1 clock input method 2 clock input method		1 clock input method 2 clock input method		2 clock input method	1 clock input method 2 clock input method
Photocoupler input		Photocoupler input		C-MOS equivalent negative logic input	Photocoupler input
50kpps		500kpps		500kpps	500kpps
None		None		None	Equipped
Equipped		Equipped		Equipped	Equipped
None		4 bit signal input or switching by the number of division setting switch		4 bit signal input	Switching by the number of division setting switch
None		Equipped		Equipped	Equipped
DC20 — 40V 1.5A Max	DC20 — 40V 3A Max	DC24 — 36V 1.5A Max	DC24 — 36V 3A Max	For motor drive: DC24 — 36V ±10% 2A or lower For logic: DC5V ±5% 0.1A or lower	AC100 — 230V±10% 50/60Hz 3.5A Max
0 — 40°C		0 — 40°C		0 — 40°C	0—40°C
77×32×45		105×38×74		91×36×70	170×130×39
0.1		0.2		0.2	0.75

○	×	○	×	○	×
○	○	○	○	○	○
○	○	○	○	○	○
○*	○	○*	○	○	○
○*	○	○*	○	○	○
○*	○	○*	○	○	○
○*	○	○*	○	○	○
×	○ * DC36V	×	○ * DC36V	○ * DC36V	○
×	○	×	○	○	○

* Can be used with 0.75A/phase.

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