

Sangalli DSM5.30.2

rated motor speed 3000 [1/min]

motor stand still torque (T0) 1,023 [Nm]

P0300	2		motortype
P0301	0		motor code number
P0304	190	[V]	rated voltage
P0305	1.0	[A]	rated current (100K)
P0307	0.28	[kW]	rated power
P0311	3000	[1/min]	rated speed
P0312	0.9	[Nm]	rated torque (100K)
P0314	4		pole pair number
P0316	0.93	[Nm/A]	torque constant
P0317	56	[V/(1000 1/min)]	voltage constant
P0318	1.1	[A]	stall current (100K)
P0319	1.023	[Nm]	stall torque (100K)
P0320	0.2	[A]	short-circuit current
P0322	5000	[1/min]	max. permissible speed (mech.)
P0323	4.5	[A]	peak current
P0326	100	[%]	stall torque correction factor
P0327	90	[°]	optimum load angle
P0328	0	[mH]	reluctance torque constant
P0329	0.54	[A]	pole position identification current
P0338	4.5	[A]	limit current
P0341	0.00007	[kgm²]	moment of inertia
P0348	7590	[1/min]	start speed field weakening Vdc=600V
P0350	19	[Ohm]	winding resistance cold
P0356	17.15	[mH]	rotating field inductance
P0391	0	[A]	lower current limit adaptation
P0392	4.5	[A]	upper current limit adaptation
P0393	100	[%]	current controller adaption Pgain scaling upper
P0604	120	[°C]	overtemperature alarm threshold
P0605	140	[°C]	overtemperature fault threshold
P0611	2.31	[s]	winding time constant

SIRONIVE 614 A/V

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rated motor speed 3000 [1/min]			
motor stand still torque (T0) 1,023 [Nm]			
P1102	1999		motor code number
P1100	4000	[Hz]	frequency pulse-width modulation
P1103	1,0	[A]	rated motor current
P1104	4,5	[A]	max. motor current
P1112	4		motor pole pair number
P1113	0,93	[Nm/A]	torque constant
P1114	56	[V/(1000 1/min)]	voltage constant
P1115	19	[Ohm]	armature resistance
P1116	25	[mH]	armature inductance
P1117	0,00007	[kgm ²]	moment of inertia
P1118	1,1	[A]	motor standstill current
P1122	4,5	[A]	motor limiting current
P1128	90	[°]	optimum load angle
P1136	0,2	[A]	short-circuit current
P1142	7590	[1/min]	field weakening speed
P1145	100	[%]	stall torque reduction factor
P1146	5000	[1/min]	max. motor speed
P1149	0	[mH]	reluctance torque constant
P1180	0	[%]	lower current limit adaption
P1181	100	[%]	upper current limit adaption
P1182	100	[%]	factor current controller adaption
P1183	0		current controller adaption ON
P1015	0		activate PE-MSD
P1019	12	[%]	pole position identification current
P1400	3000	[1/min]	rated motor speed
P1602	120	[°C]	motor overtemperature warning
P1268	2,31	[s]	winding time constant