



AM8121 | Servomotor 0.5 (standstill torque)

Data for 50 V DC	AM8121-wFyz
Standstill torque	0.5 Nm
Rated torque	0.5 Nm
Rated speed	3000 min ⁻¹
Rated power	0.16 KW
Peak torque	2 Nm
Standstill current	4.0 A
Rated current	4.0 A
Peak current	17.0 A
Torque constant	0.13 Nm/A
Voltage constant	8 mV/min ⁻¹
Number of poles	6
Rotor moment of inertia	0.134 kgcm ²
Weight	0.9 kg

Order reference AM81uv-wxyz	
u	flange code
v	motor length
w = 0	smooth shaft
w = 1	shaft with groove and feather key according to DIN 6885
w = 2	shaft with IP 65 sealing ring and smooth shaft
w = 3	shaft with IP 65 sealing ring and shaft with groove and feather key
x	winding code F
y = 0	2-cable standard, feedback resolver
y = 2	One Cable Technology for power and feedback: feedback transmission via motor cable, no feedback cable necessary, electronic identification plate, multi-turn
z = 0	without holding brake
z = 1	with holding brake
	All electric quantities are RMS values.
	The options cannot be installed in the field.