



# Brushless Servomotors

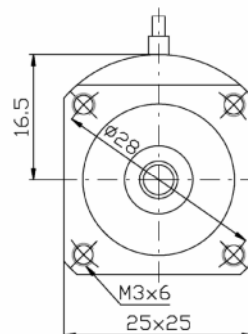
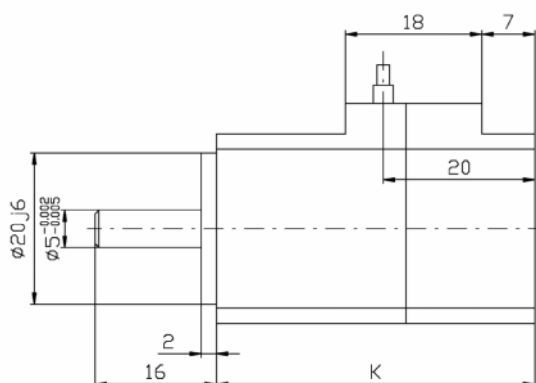
## H0-xxxx series

U<sub>dc</sub> = 24 VDC



### General Description:

Compact Design  
Rare Earth Magnets  
Resolver Feedback  
Flying Leads



Parameters			H0-0003	H0-0006	H0-0009
DC Bus Voltage	U <sub>dc</sub>	V	24	24	24
Rated Torque	M <sub>N</sub>	Nm	0,03	0,06	0,09
Rated AC Current	I <sub>N</sub>	A	2,4	2,4	3,2
Stall Torque	M <sub>0</sub>	Nm	0,03	0,06	0,09
Stall Current	I <sub>0</sub>	A	2,3	2,3	3,0
Peak Torque	M <sub>max</sub>	Nm	0,07	0,12	0,17
Peak AC Current	I <sub>max</sub>	A	5,1	4,6	5,6
Rated Speed*	n <sub>N</sub>	min <sup>-1</sup>	4500	3000	3000
Max. Mech. Speed	n <sub>max</sub>	min <sup>-1</sup>	12000		
Torque Constant	K <sub>T</sub>	Nm/A	0,013	0,027	0,030
Voltage Constant	K <sub>E</sub>	V/1000	0,8	1,6	1,8
Resistance Ph-Ph	R <sub>Ph</sub>	Ω	2,6	2,6	2,4
Inductance Ph-Ph	L <sub>Ph</sub>	mH	0,2	0,4	0,3
El. Time Constant	T <sub>el</sub>	ms	0,08	0,15	0,13
Therm. Constant	T <sub>th</sub>	min	8	10	12
Inertia	J	kgcm <sup>2</sup>	0,20	0,38	0,56
Weight	m	kg	0,11	0,14	0,16
Length	K	mm	42	52	62

\* Windings for different rated speeds are available; parameter tolerance +/-10%

Protection Class	IP40
Electrical Connections	Flying Leads
Thermal Protection	None
Rated Parameters	Acc. to EN 60034-1, ambient temperature T <sub>A</sub> = 40°C, cooling flange 65°C, temperature rise T <sub>R</sub> = 110 K
Motor Controller	Standard winding designed for power supply U <sub>cc</sub> = 24 VDC, different execution optional
Flange/Shaft	Acc. to DIN 42955 N, optional R