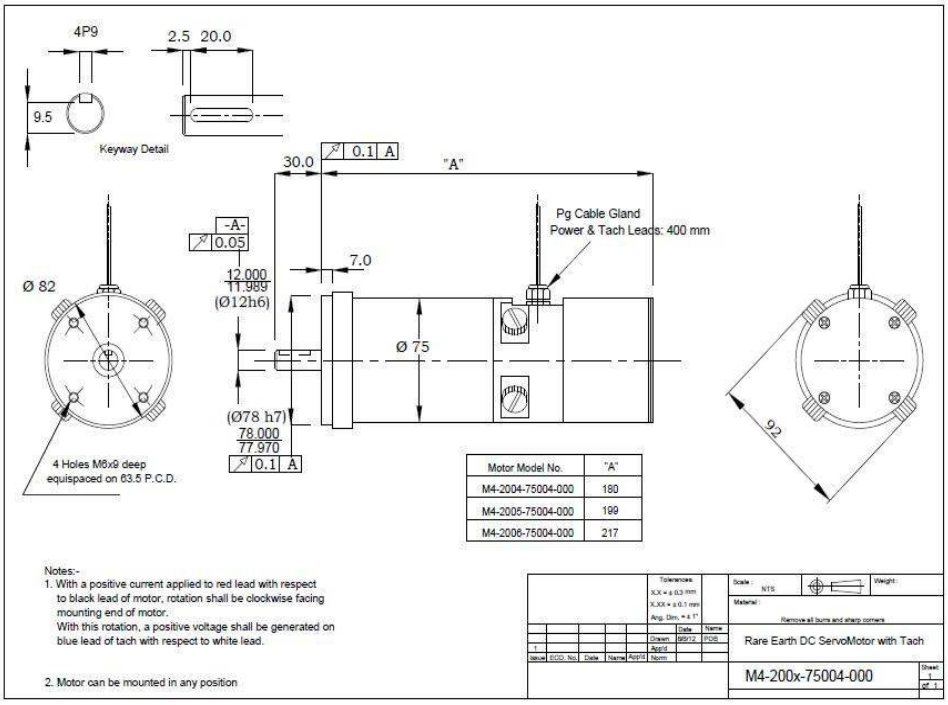
NOVOTRON
für Dynamik und Bewegung

NM4-2004 (MT22D2)

Permanent Magnet D. C. Servomotors

TECHNICAL DATA

Parameter	Units	(D2-19) **V**	(D2-10) **S**	(D2-5) **B**
General				
Voltage Gradient No Load	V/1000/min	19	10	5
Max. Motor EMF	V	95	50	25
Max. Speed	min^{-1}	5000	4800	4800
Continuous Stall Torque	**Nm**	**0,85**	**0,72**	**0,5**
Continuous Stall Current	**A**	**5,1**	**8,0**	**11**
Armature Polar Moment of Inertia	Kgm^2	1,6x10-4	1,6x10-4	1,6x10-4
Current at Peak Torque	**A**	**18**	**20**	**40**
Peak Stall Torque	Nm	3,1	1,9	1,9
Torque Constant K_T	Nm/A	0,177	0,098	0,049
Viscous Damping	N/krpm	0,01	0,01	0,01
Winding				
Armature Resistance Less Brushes	Ohm	2,2	0,7	0,17
Armature Inductance	mH	2,4	0,72	0,18
Static Friction Torque	Nm	0,04	0,04	0,04
Motor Weight	Kg	2,3	2,3	2,3
Tachometer				
Voltage Gradient	$V/1000/min^{-1}$		7,0 / 9,5 / 14	
Ripple	%		3	
Brake				
Voltage	V		24	
Power	W		10	
Holding Torque	Nm		2,0	
Weight	kg		0,8	



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