



MOTOR SPECIFICATION		
Min. Operating Voltage	V DC	12
Max. Operating Voltage	V DC	30
Current per Winding	A	1.5
Holding Torque	Nm	0.18
Step Angle	$\pm 5\%$ °	1.8
Rotor Inertia	$\times 10^{-6}$ kg m <sup>2</sup>	1.8
Singleturn Encoder Resolution	bit	18

X1	
Pin No.	Function
1	CAN_H
2	CAN_L
3	CAN_H
4	CAN_L
5	Input 0
6	Output 0
7	+UP
8	GND

A-Shaft		Preload Spring		B-Shaft	
$F_a$	$F_r$	$F_r$	$F_r$	$F_a$	$F_r$
Max. Axial Force	$F_a$	N	7		
Max. Radial Force	$F_r (a1=)$	mm	N	28	
Max. Radial Force	$F_r (a2=)$	mm	N	-/-	
Axial Play	$F_a=$	N	mm	0.08	
Radial Play	$F_r=$	N	mm	0.02	

GENERAL MOTOR SPECIFICATION		
Interface		CANOPEN
Ambient Temperature	°C	-10 ... +40
Max Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500
Protection Class (except shaft outlet)		IP65

REV	Rev. Text	Name	Date
03	Connector Pins	Rehse_P	13.12.2023
02	MFrame, Cover, Tables	Rehse_P	29.11.2023
01	Updated Parts	Rehse_P	12.10.2023

ISO 8015	ISO 1302	ISO 2768 mK	ISO 13715	Material:	Weight: ~0,25 kg
			Date	Name	
			Drawn	04.01.2023	Pinther_M
			Reviewed	04.09.2023	Rehse_P
			Released	04.09.2023	Rehse_P
				20001828	Scale: 1 : 1
				State: Released	A4 Page 1
				Rev: 03	CONFIDENTIAL

