



X1	
Pin No.	Function
1	Output 0
2	Output 1
3	Input 0
4	Input 1
5	Input 2
6	Analog Input/ Input 3
7	CAN_H
8	CAN_L
9	RES
10	RES
11	+UP
12	GND

Parameter	Symbol	Unit	Value
Max. Axial Force	$F_a$	N	7
Max. Radial Force	$F_r$ (a1=)	mm	28
Max. Radial Force	$F_r$ (a2=)	mm	-/-
Axial Play	$F_a$ =	N mm	0.08
Radial Play	$F_r$ =	N mm	0.02

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	±5% °	1.8
Rotor Inertia	$\times 10^{-6}$ kg m <sup>2</sup>	1.8
Singleturn Encoder Resolution	bit	18

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)	IP20	

REV	Rev. Text	Name	Date
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: ~0,22 kg
			Date	Name	
			Drawn	04.01.2023	Pinther_M
			Reviewed	25.08.2023	Rehse_P
			Released	25.08.2023	Rehse_P
20001836					Scale: 1 : 1
State: Released					A4 Page 1
Rev: 02					CONFIDENTIAL

