



MOTOR SPECIFICATION		
Min. Operating Voltage	V DC	12
Max. Operating Voltage	V DC	30
Current per Winding	A	1.5
Holding Torque	Nm	0.09
Step Angle	±5% °	1.8
Rotor Inertia	$\times 10^{-6}$ kg m ²	0.9
Singleturn Encoder Resolution	bit	18

X1	
Pin No.	Function
1	RX/TX+
2	RX/TX-
3	RX/TX+
4	RX/TX-
5	Input 0
6	Output 0
7	Power
8	GND

A-Shaft		Preload Spring		B-Shaft	
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		RS485
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	Update Parts	Rehse_P	12.10.2023

Material:		Weight: ~0,16 kg
PD1-C281S15-E-65-5		
20001831	State: Released	Rev: 03
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