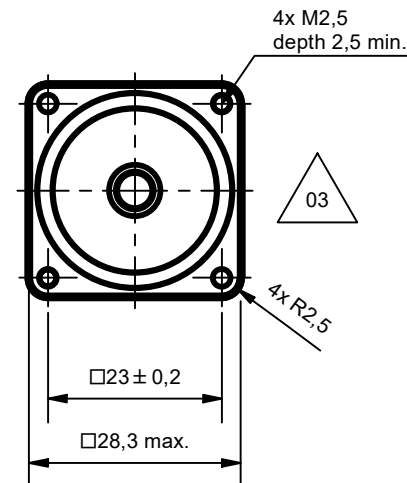
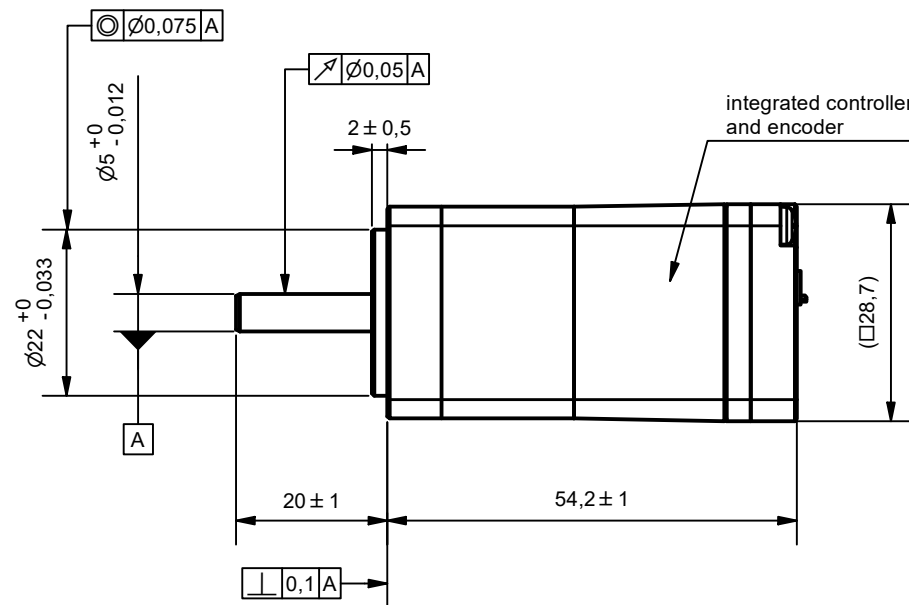
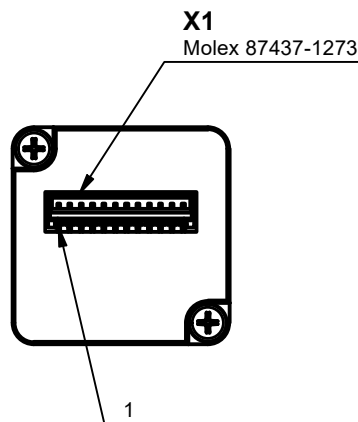




X1	
Pin No.	Function
1	Output 1 (Push-pull)
2	Output 2 (Push-pull)
3	Input 1 (+5V/+24V)
4	Input 2 (+5V/+24V)
5	Input 3 (+5V/+24V)
6	Analog Input (0-30V) / Input 4
7	CAN_H
8	CAN_L
9	Reserved
10	Reserved
11	+UB
12	GND



A-Shaft		Preload Spring		B-Shaft	
Fr		Fr		Fr	
Fa		Fa		Fa	
ax		ax		ax	
Max. Axial Force	Fa	N	7		
Max. Radial Force	Fr (a1= 5 mm)	N	28		
Max. Radial Force	Fr (a2= mm)	N	-/-		
Axial Play	Fa=	N	mm	0.08	
Radial Play	Fr =	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	0.09
Step Angle	±5% °	1.8
Rotor Inertia	x10 ⁻⁶ kg m ²	0.9
Singleturn Encoder Resolution	cpr	4096



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

ISO 8015		ISO 1302		ISO 2768 mK		ISO 13715	
					Date		Name
					Drawn	04.01.2023	Pinther._M
03	Pin Function, Format	Rehse_P	17.05.2024	Reviewed	25.08.2023	Rehse_P	
02	MFrame, Cover, Tables	Rehse_P	29.11.2023	Released	25.08.2023	Rehse_P	
01	Updated Parts	Rehse_P	12.10.2023				
REV	Rev. Text	Name	Date				



PD1-C281S15-E-20-2-CYL				Weight: ±10% 0.14 kg	
20001838				Scale: 1 : 1	
State: Released				A4 Page 1	
Rev: 03				CONFIDENTIAL	